ORDER NO. VRD9708021C3

Service Manual

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List

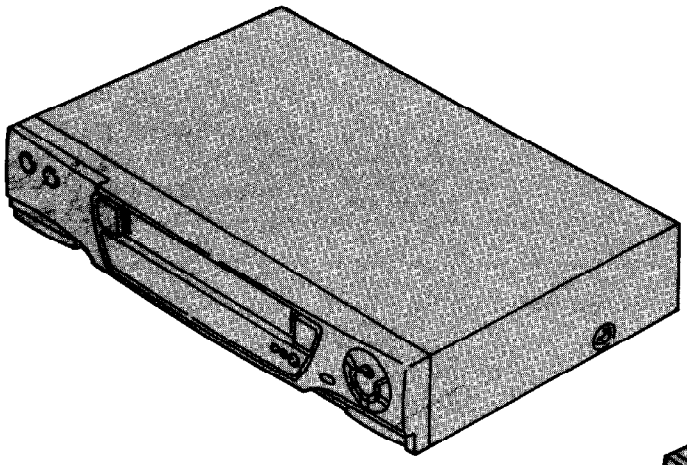
Video Cassette Recorder

Panasonic VHS PAL / NTSC

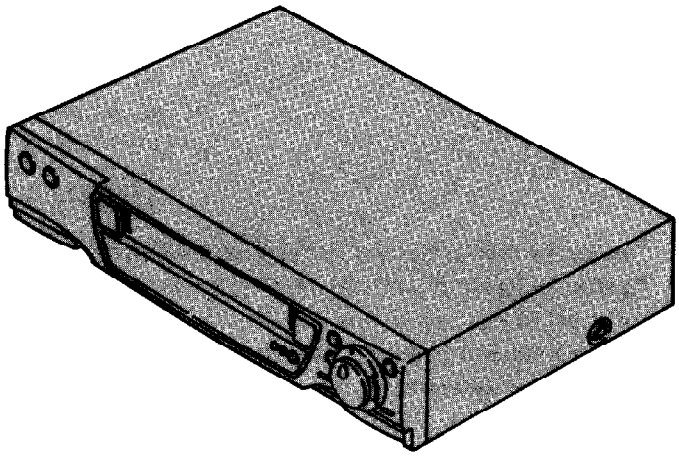
Hi-Fi HQ

NV-HD620 A EA
NV-HD670 A EA

Z-MECHANISM



NV-HD620A,EA



NV-HD670A,EA

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

SPECIFICATIONS

ITEM	SPECIFICATION	
POWER	HD620/670EA	SOURCE : 230V, 50/60 Hz
	HD620/670A	SOURCE : 240V, 50/60 Hz
	HD620/670A	CONSUMPTION : 21watts
	HD620/670EA	CONSUMPTION : 22watts
RECORDING SYSTEM	2 rotary heads, helical scanning system	
	PAL / NTSC	
TV TUNER SYSTEM	NV-HD620A NV-HD670A	VHF : CH 0 – CH 12 (5A,9A Included), 75 Ω unbalanced UHF : CH 21 – CH 69, 75 Ω unbalanced
	NV-HD620EA NV-HD670EA	VHF : CH 1 – CH 11, 75 Ω unbalanced UHF : CH 21 – CH 69, 75 Ω unbalanced
RF OUT SYSTEM	NV-HD620A NV-HD670A	UHF : CH 37±6 71±3dBμ,75 Ω terminated
	NV-HD620EA NV-HD670EA	VHF : CH2/3 71±3dBμ,75 Ω terminated
VIDEO	HEADS : 4 rotary heads 1 pair for recording and playback (L-R heads) 1 pair for trick play (L'-R' heads)	
	INPUT : VIDEO IN Connector (Phono type) 1.0 Vp-p, 75 Ω terminated	
	OUTPUT : VIDEO OUT Connector (Phono type) 1.0 Vp-p, 75 Ω terminated	

ITEM	SPECIFICATION	
AUDIO	HEAD : 1 Stationary head (Normal Audio) 2 rotary heads (Hi-Fi Audio)	
	INPUT : AUDIO IN Connector (Phono type) – 6 dBV (500 mV), More than 50kΩ	
	OUTPUT : AUDIO OUT Connector (Phono type) – 6 dBV (500 mV), Less than 1kΩ	
TAPE FORMAT	VHS Cassette tape (Tape width 12.7 mm)	
TAPE SPEED	PAL SP : 23.39 mm/s PAL LP : 11.7 mm/s NTSC SP : 33.3 mm/s NTSC EP : 11.1 mm/s Record / Playback Time : SP : 4 hours with 240 min. type tape (NV-E240) LP : 8 hours with 240 min. type tape (NV-E240) FF / REW Time : Approx. 90 seconds with 180 min. type tape (NV-E180)	
OPERATING CONDITION	Temperature : 5 ℃ – 40 ℃ Humidity : 35 % – 80 %	
DIMENSIONS	NV-HD620A NV-HD620EA	430(W)X87(H)X300.5(D)mm
	NV-HD670A NV-HD670EA	430(W)X87(H)X306(D)mm
WEIGHT	3.9 kg	
STANDARD ACCESSORIES	1 pc. Remote Controller 1 pc. AC Cord 1 pc. Phono Cable 1 pc. DIN RF Cable	

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model. Section 1 presents you with technical know how for actual servicing and general information of features and controls, enabling you to become familiar with each function.

Section 2 presents to you mechanical and electrical adjustment information as well disassembly and replacement procedures. In the case of very common information relating to other models like mechanical adjustments, please refer to the appropriate service manual.

Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function etc. ...

Section 4 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

Note : The Model No. is indicated on the Schematic Diagram and Circuit Board Diagram as follows.

Model No.	NV-HD620A	NV-HD620EA	NV-HD670A	NV-HD670EA
Indication Mark	(A)	(B)	(C)	(D)

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1-5. TIMER REFERENCE CLOCK

In case of the following repair services (Parts Replacement) have been provided, Timer Reference Clock has to be reset due to the setting value changes at the shipment so that the accuracy of the time can be warranted.

a) Crystal oscillator (X6001) has been replaced.
b) EEPROM (IC6007) has been replaced.
It is not necessary to reset when the microprocessor of system control (IC6001) is replaced.

PROCEDURE FOR RESET OF TIMER REFERENCE CLOCK

When above two parts X6001 and / or IC6007 have been changed, resistors R7003 and R7004 also have to be changed as follows.

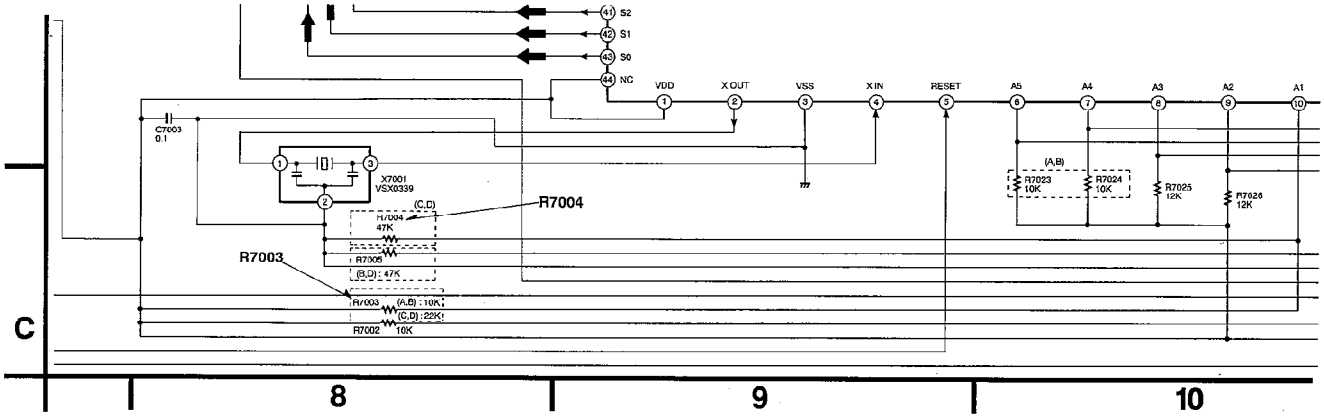
NV-HD620A/ EA

	Before replacing X6001 and/or IC6007	After replacing X6001 and/or IC6007
R7003	ERJ6GMYJ103 (10KΩ)	ERJ6GMYJ243(24KΩ)
R7004	No mounted	ERJ6GMYJ183(18KΩ)

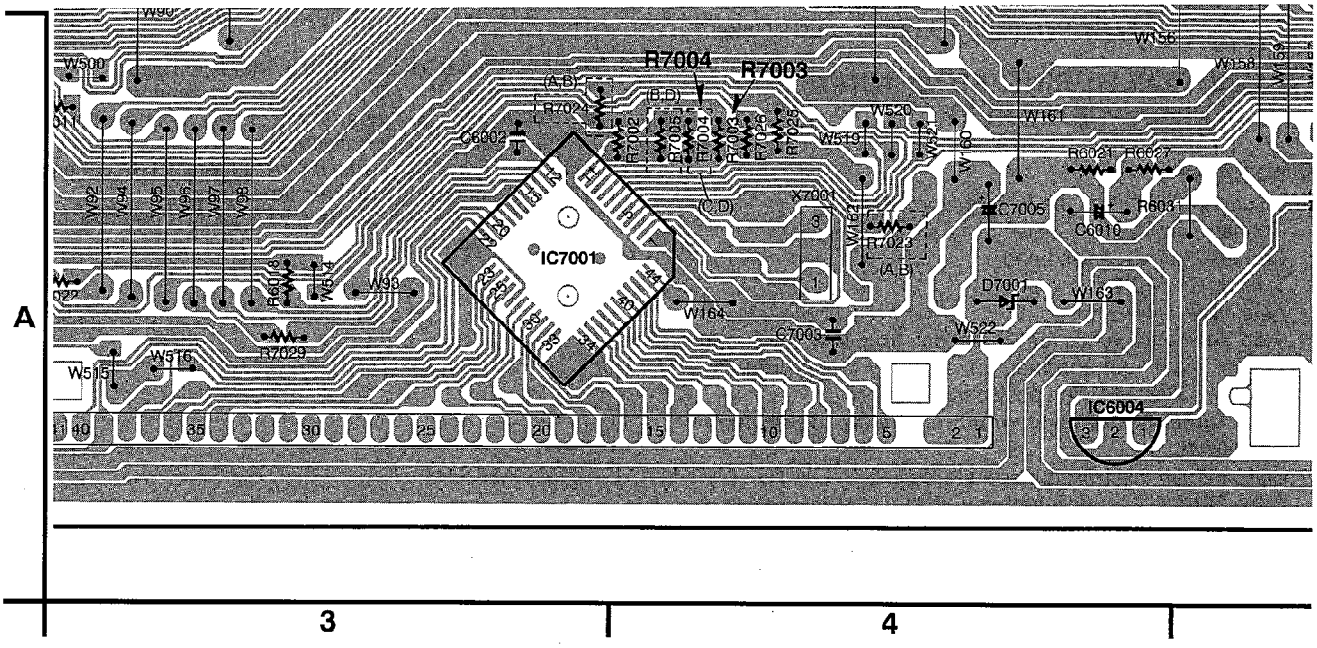
NV-HD670A/ EA

	Before replacing X6001 and/or IC6007	After replacing X6001 and/or IC6007
R7003	ERJ6GMYJ223 (22KΩ)	ERJ6GMYJ123(12KΩ)
R7004	ERJ6GMYJ473 (47KΩ)	ERJ6GMYJ272(2.7KΩ)

SYSTEN CONTROL & SERVO / TIMER / DRIVE SECTION IN MAIN SCHEMATIC DIAGRAM

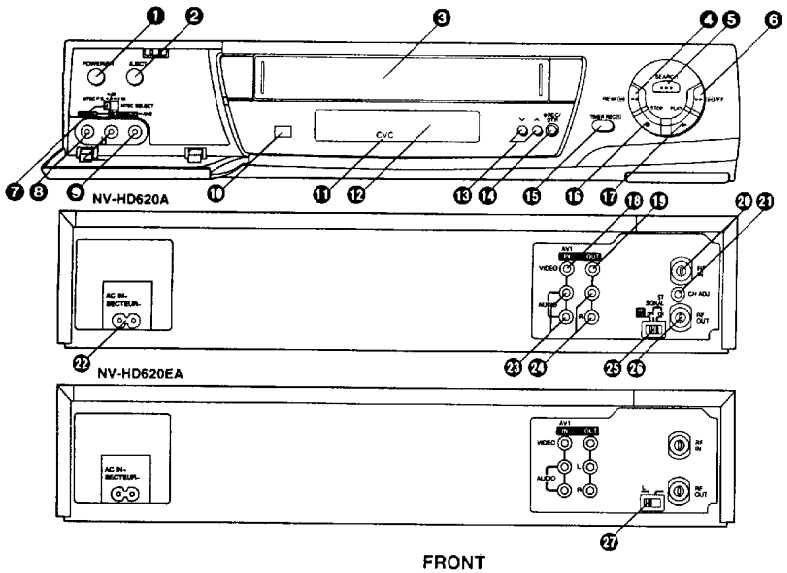


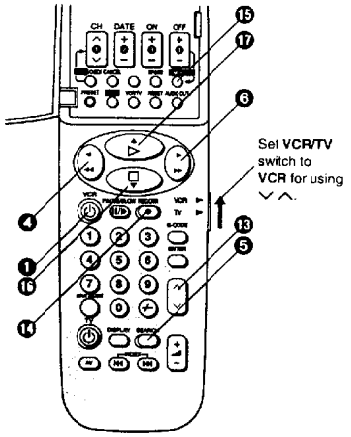
MAIN C.B.A.



Controls and Connection Sockets

This section describes in detail the function of each button, switch and connection socket.





FRONT

❶ **POWER ⏻/I (VCR ⏻)**
Press to switch the VCR from on to standby mode or vice versa. In standby mode, the VCR is still connected to the mains.

❷ **EJECT**
Ejects a video cassette.

❸ **Cassette Compartment**
Insert a video cassette here.

❹ **REW (REWIND)**
In the stop mode: Rewinds the tape.
In the playback mode: Searches back.
In the rewind mode: Obtains a high speed picture.
"◁◁" is lit.

❺ **SEARCH**
Searches a recorded programme using the programme list search after timer recording and using the intro-jet scan functions.

❻ **FF (FAST FORWARD)**
In the stop mode: Fast forwards the tape.
In the playback mode: Searches forward.
In the fast forward mode: Obtains a high speed picture.
"▷▷" is lit.

❼ **NTSC SELECT**
Set according to the colour TV system.
NTSC P.B.: For TVs that can receive PAL signals.
The output signal is the quasi-PAL system.
4.43: When receiving NTSC 4.43 signals.
For TVs that can receive NTSC 4.43 signals.
3.58: When receiving NTSC 3.58 signals.
For TVs that can receive NTSC 3.58 signals.

❽ **VIDEO IN (AV2)**
Connects a video cable from a movie camera or another unit.

❾ **AUDIO IN (AV2)**
Connects an audio cable from a movie camera or another unit.

❿ **Infra-red Remote Control Receiver Window**

⓫ **CVC (Crystal View Control) Indicator**
This indicator is lit when the VCR is on.

⓬ **Display**

⓭ **∨ ∧**
Selects the required programme position (TV station) of the VCR.

For tracking adjustment and vertical locking adjustment
- For manual tracking adjustment
  The ∨ and ∧ buttons are used to adjust the tracking when, for example, noise bars on the picture during normal playback are better removed manually than by automatic digital tracking control. To return to automatic digital tracking control, press both buttons together.
- For slow tracking adjustment
  When noise bars appear during still or slow playback, switch over to slow playback and adjust with the ∨ or ∧ button to reduce the noise bars.
- For vertical locking adjustment
  Use the ∨ and ∧ buttons to minimize any vertical jitter during still picture playback.

Set **VCR/TV** switch to **VCR** for using ∨ ∧ of remote controller.

⓮ **REC/OTR**
Starts recording.
For One-Touch Recording (OTR).

⓯ **TIMER REC**
Turns the timer recording function on and off.
⏲ is lit or not lit.
Once you operate the timer recording function, normal VCR operation is not possible unless you press this button again and release the VCR from the timer recording standby mode.

⓰ **STOP**
Stops playback or recording.
Ejects the video cassette.

⓱ **PLAY**
Starts playback.
"▷" is lit.
For the repeat playback function.

REAR

⓲ **VIDEO IN (AV1)**
Connects a video cable from a movie camera or another unit.

⓳ **VIDEO OUT**
Connects a video cable to a TV or another unit.

⓴ **RF IN**
Connects the external aerial.

㉑ **CH ADJ. (NV-HD620A only)**
Adjusts RF transmitting channel AU31–43.

㉒ **AC IN~**
Connects the main power supply.

㉓ **AUDIO IN (AV1)**
Connects an audio cable from a movie camera or another unit.

㉔ **AUDIO OUT**
Connects an audio cable to a TV or another unit.

㉕ **RF OFF/TEST SIGNAL (NV-HD620A only)**
RF OFF: Set to this position when the VCR is connected to the TV via the Audio/Video cable.
TEST SIGNAL OFF:
Set to this position when the VCR is connected to the TV via RF coaxial cable only.
TEST SIGNAL ON:
Set to this position when tuning the TV into the VCR. The test signal is transmitted on channel AU37 initially.

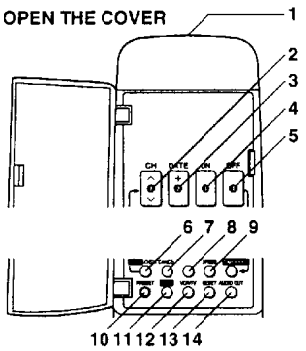
㉖ **RF OUT**
Connects the aerial terminal on a TV.

㉗ **Video Playback Channel Selector (NV-HD620EA only)**
Selects the video playback channel.

Infra-red Remote Controller

The remote control unit for this VCR is a universal remote controller. As such, some of its buttons are not used to operate this VCR.

OPEN THE COVER



1 Infra-red Transmitter

2 CH
Programmes timer recording.

3 DATE
Programmes timer recording.

4 ON
Programmes timer recording.

5 OFF
Programmes timer recording.
Sets the remote controller for operation of the TV.

6 PROG./CHECK
Sets and checks timer programmes.

7 CANCEL
Cancels the settings made for timer recording.

8 No function.
This button is not used to operate this VCR.

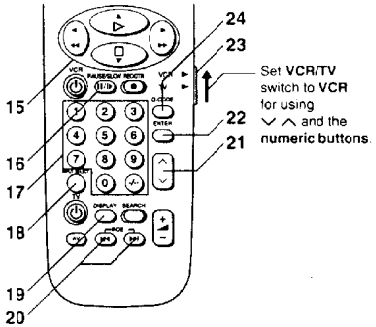
9 SPEED
Selects the desired tape speed for recording.
SP gives the best picture quality.
LP (EP) gives the longest recording time.
- The indicator (SP, LP or EP) corresponding to the selected tape speed now appears on the VCR display or on screen display.

LP: This appears when PAL signals are input or output.
EP: This appears when NTSC signals are input or output.

10 PRESET
Sets the remote controller for operation of the TV.

11 MENU
Makes the on screen display main menu appear on the TV screen.
- The buttons written by green characters are used for the on screen display menu operation.

VCR OPERATION



12 VCR/TV
Selects the VCR mode or TV mode.
(NV-HD620A: No function.)

13 RESET
Resets the tape counter (elapsed time) to "0:00.00".
- The tape counter is automatically reset to "0:00.00" when a video cassette is inserted.

14 AUDIO OUT
Selects the desired sound mode.
For each push of this button, the audio output mode changes as follows.
→Stereo→L→R→Normal audio track→

The Left (L) and Right (R) indicators show which sound mode is selected as follows on the On Screen Display.
Stereo: Both the L and R indicators appear.
L: The L indicator appears.
R: The R indicator appears.
Normal: Neither the L nor R indicator appears.

15 ▲ ▼ ◀ ▶
Makes selections from the on screen display.
- The buttons with the green characters are ones which are used for the on screen display menu operations.
- These buttons can also be used for playback, stop, rewind and fast forward mode.

16 PAUSE/SLOW
During playback:
- By pressing: Still picture. "▯▯" is lit.
- By pressing for 2 seconds or more: Slow playback. "▯▷" is lit.

During recording: Interrupts recording.

17 Numeric Buttons
Selects programme positions (1–99) of the VCR.
- Ensure that **VCR/TV** switch is set to **VCR**.

9: ⑨

19: ⓪→①→⑨

Programmes G-Code numbers.
- Ensure that **VCR/TV** switch is set to **VCR**.

18 INPUT SELECT
Selects the A1 or A2 external recording source.

19 DISPLAY
Changes the indication on the VCR display or on screen display as follows.
→Clock→Counter→Remaining Tape Time→

20 INDEX
Used for the index search function.

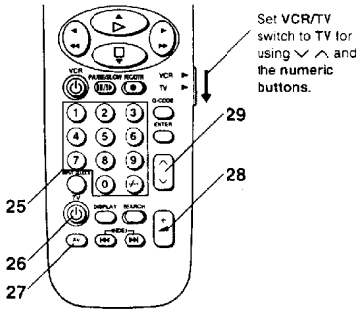
21 ∨ ∧
Selects the required programme position (TV station) of the VCR.
- This button can also be used for tracking adjustment and vertical locking adjustment.
- Ensure that **VCR/TV** switch is set to **VCR**.

22 ENTER
Confirms the selection, or stores.
- The buttons written by green characters are used for the on screen display menu operation.

23 VCR/TV switch
VCR: Selects the VCR operation mode.
TV: Selects the TV operation mode.

24 G-CODE
Used for G-Code programming.

TV OPERATION



25 Numeric Buttons
Selects programme positions (1–99) of the TV.
- Ensure that **VCR/TV** switch is set to **TV**.

26 TV
Press to switch the TV from on to standby mode or vice versa. In standby mode, the TV is still connected to the mains.
- With some TV models, it may only be possible to switch the TV to the standby mode using this button. In this case, use **AV**, the **numeric buttons** or ∨ ∧ to switch the TV on.

27 AV
Selects TV input.

28 ◢
Adjusts the volume of the TV.

29 ∨ ∧
Selects the required programme position (TV station) of the TV.
- Ensure that **VCR/TV** switch is set to **TV**.

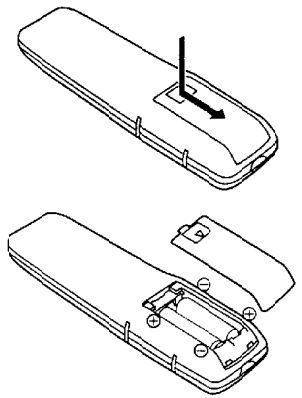
Power Source for the Remote Controller

The remote controller is powered by 2 "AA", "UM3" or "R6" size batteries. The life of the batteries is about one year, although this depends on the frequency of use.

Precautions for Battery Replacement

- Load the new batteries with their polarity (⊕ and ⊖) aligned correctly.
- Do not apply heat to the batteries, or an internal short circuit may occur.
- If you do not intend to use the remote controller for a long period of time, remove the batteries and store them in a cool and dry place.
- Remove spent batteries immediately and dispose of them.
- Do not use an old and a new battery together, and never use an alkaline battery with a manganese battery.

Installing the Batteries



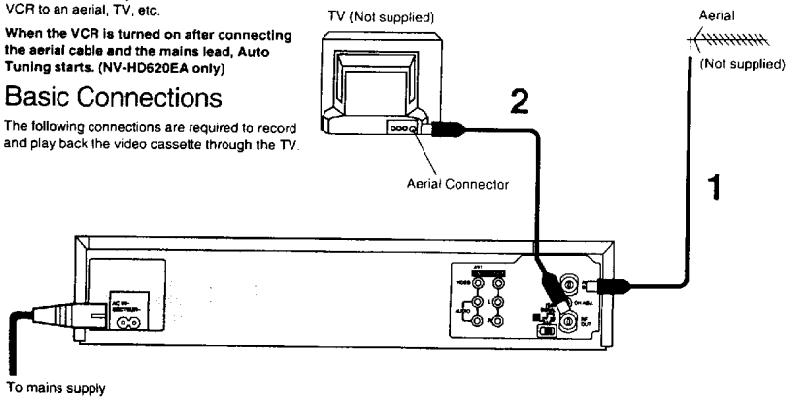
Connections

This section shows you how to connect the VCR to an aerial, TV, etc.

When the VCR is turned on after connecting the aerial cable and the mains lead, Auto Tuning starts. (NV-HD620EA only)

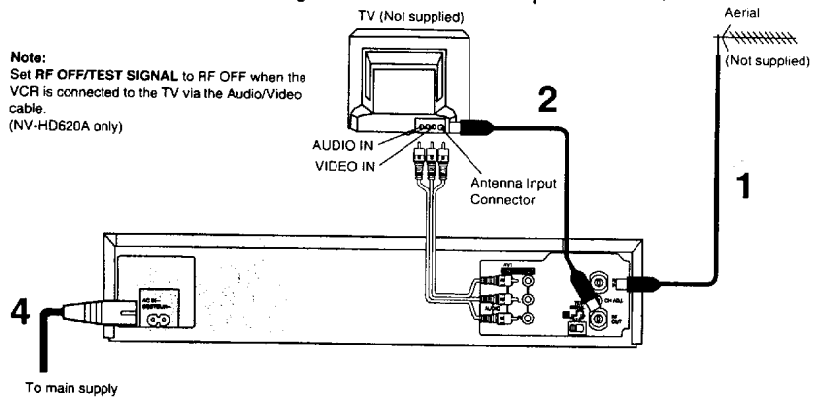
Basic Connections

The following connections are required to record and play back the video cassette through the TV.

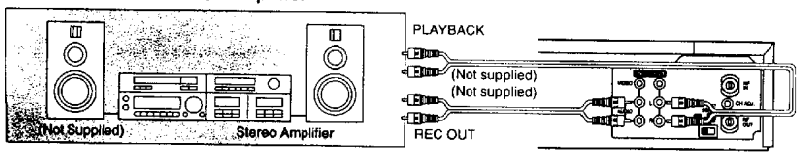


Connection to a TV using the Audio/Video Input Sockets

Note:
Set **RF OFF/TEST SIGNAL** to RF OFF when the VCR is connected to the TV via the Audio/Video cable.
(NV-HD620A only)

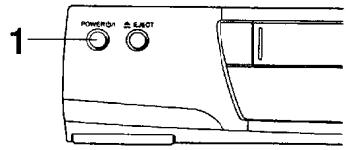


•Connection to a Stereo Amplifier



Tuning the TV to your VCR

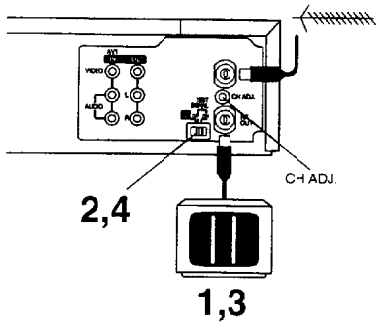
NV-HD620A



The VCR supplies a signal to the TV via the RF coaxial cable on channel AU37.

It is possible to view the video picture on your TV in the same way that you watch TV broadcasts.

If you have connected the VCR to the TV through the video and audio input sockets, then you do not need to follow the procedure below.

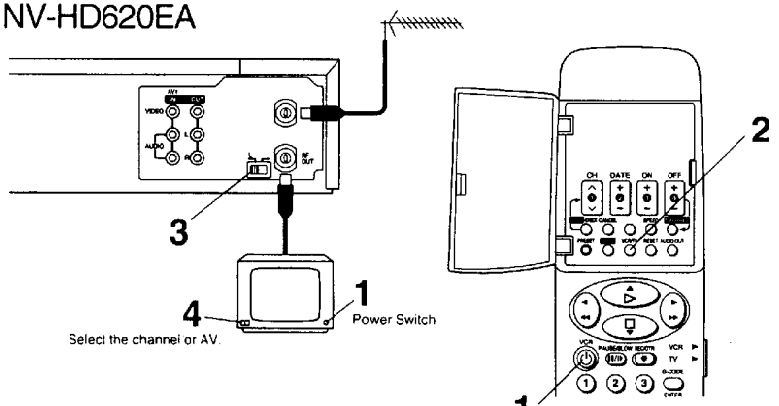


Operations

1	POWER⏻/I	Turn on the TV and the VCR.
2	TEST SIGNAL RF OFF OFF ON	To generate a test pattern, set **TEST SIGNAL** to ON.
3		Set the TV to an unused position which you wish to use for your video playback. •Tune the TV until the test pattern appears on the screen.
4	TEST SIGNAL RF OFF OFF ON	Set **TEST SIGNAL** to OFF.

Note:
The test signal is transmitted on video channel AU37. If you are encountering interference from a TV broadcast on this video channel, you may readjust to another free channel (AU31–43) by turning the **CH ADJ.** screw located on the rear of the VCR.
When rotating the **CH ADJ.** screw, take care not to turn it too far.
Note that if the **CH ADJ.** screw is used, then you will have to retune your TV to the test signal following steps **2–4** above.

NV-HD620EA



It is possible to view the video picture on your TV in the same way that you watch TV broadcasts.

If you have connected the VCR to the TV through the video and audio input sockets, then you do not need to follow the procedure below. Instead, simply select the AV mode on the TV.
When the VCR is turned on after connecting the aerial cable and the mains lead, Auto Tuning starts.

Notes:
- If the VCR is turned on with the antenna not connected, all channels are skipped. Therefore, firmly connect the antenna and then turn the VCR off and on again to execute Auto Tuning.
- When Auto Tuning is canceled halfway, Auto Tuning is not executed even if the VCR is turned off and then turned on again. In this case, see page 11 "**To restart Plug in Auto Tuning**".

Operations		Display Symbol	
1	VCR		Turn on the TV and VCR. Ensure that the VCR is connected to the aerial cable. • Auto Tuning starts. (See next page.)
2	VCR/TV	VCR	Select the VCR mode.
3	L H		Select the video playback channel not used for any TV station. H: Channel 3 L: Channel 2
4	On Screen Display		Select a programme number on the TV which you wish to use as the video viewing channel. Then tune in the TV to the picture from the screen being auto tuned or the screen selected with the ∨ and ∧ of the VCR. • During Auto Tuning, the TV programme screen does not appear, and the Auto Tuning screen appears instead.

(During Auto Tuning) (After Auto Tuning)

Storing TV Broadcasts in your VCR

Pre-programmed TV Channels (NV-HD620A only)

The local TV broadcast channels 2, 7, 9, 10 and 28 are factory-preset in this VCR. That is, if you can receive television broadcasts on VHF channels 2, 7, 9, 10 and UHF channel 28, these are already tuned on the programme positions with the matching numbers. However, it is possible to cancel these settings and tune the local TV broadcast channels to any desired programme position.
For alternative settings and tuning of additional TV broadcast channels, follow the Tuning Operations.

Plug In Auto Tuning (NV-HD620EA only)

When the VCR is turned on after unpacking and connecting the aerial cable and the mains lead, Auto Tuning starts automatically.

On Screen Display

Auto Tuning searches for TV stations from VHF minimum to UHF maximum and memorizes every tuned programme position.
- If the VCR starts playback during Auto Tuning, Auto Tuning will stop halfway.

To Cancel Auto Tuning Mid-Operation:

Press **POWER** ⏻/I during Auto Tuning. The VCR is off, and Auto Tuning is canceled.

To restart Plug in Auto Tuning:

1 Press **EJECT** and remove the video cassette.

2 Keep ∨ and ∧ on the VCR pressed simultaneously for 3 seconds or more during the VCR on.

- The channel displayed on the VCR display disappears for a moment then changes to 1.

Display Symbol

3 Turn off the VCR and then turn it on.
- Auto Tuning commences.

Auto Tuning using the On Screen Display

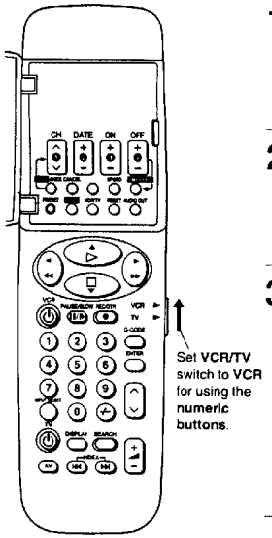
Introduction

The VCR is tuned automatically by Plug In Auto Tuning. However, Auto Tuning using the On Screen Display should be performed according to the following method if necessary.

The VCR is fitted with its own tuner (just like a normal TV) and can be preset to receive up to 99 TV broadcast stations.

Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- Turn on the VCR and select any programme position except A1 or A2.
- Press **VCR/TV** to select the VCR mode. (NV-HD620EA only)



Operations **On Screen Display**

1 Press **MENU**.

2 Select **TUNER PRESET**.

3 Select **AUTO TUNE** and press ◄ or ►.

- When Auto Tuning is completed, the on screen display disappears and programme position 1 is selected.

The number displayed here is the number of channels still to be auto tuned.

Notes:

- Auto Tuning searches for TV stations from VHF minimum to UHF maximum and memorizes every tuned programme position. Other programme positions are skipped.
- Auto Tuning takes seven or more minutes to complete its search.
- If the VCR is not correctly tuned by Auto Tuning, follow the procedure on the next page.
- To rearrange the channels at the desired channel positions, proceed with Manual Tuning.

Channels that can be Received

	VHF	UHF
NV-HD620A	0–12	21–69
NV-HD620EA	1–11	21–69

Manual Tuning Procedure

1 Press **MENU**.

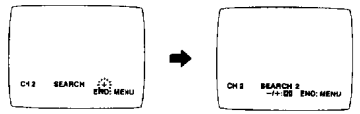
2 Select **TUNER PRESET** by pressing ▲ or ▼ and **ENTER**.

3 Select **CH** by pressing ▲ or ▼ then select the channel number you want tuned by pressing ◄ or ►.

4 Confirm that **CLEAR** is set to **OFF**.

5 Select **SEARCH** by pressing ▲ or ▼ then press ◄ or ►.

On Screen Display



6 If the desired TV station has not been tuned, press ◄ or ► again.

- Press **MENU** and repeat steps **3–5** for each programme position you want to tune to a station.
- To exit, press **MENU** three times.

Direct Tuning

1 Repeat steps **1–4** in **Manual Tuning**.

2 Select **SEARCH** by pressing ▲ or ▼.

3 Using the numeric buttons on the remote controller (Ensure that **VCR/TV** switch is set to **VCR**.), enter the same number as the number of the channel to be tuned. For the 5A and 9A channels, input the following numbers: 90 for CH-5A, 91 for CH-9A.

- For other channels that require tuning, repeat steps 3–4 in **Manual Tuning** and steps **2–3** above.
- To exit, press **MENU** twice.

Fine Tuning Procedure

1 Press **MENU**.

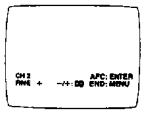
2 Select **TUNER PRESET** by pressing ▲ or ▼ and **ENTER**.

3 Select **CH** by pressing ▲ or ▼ then select the programme position by pressing ◄ or ►.

4 Select **FINE** by pressing ▲ or ▼.

5 Press ◄ or ► to obtain the best tuning condition.

On Screen Display



- To return the tuning to its former state, press **ENTER**.

6 Press **MENU**.

Blanking of Unused Programme Positions

1 Press **MENU**.

2 Select **TUNER PRESET** by pressing ▲ or ▼ and **ENTER**.

3 Select **CH** by pressing ▲ or ▼ then select the programme position by pressing ◄ or ►.

4 Select **CLEAR** by pressing ▲ or ▼.

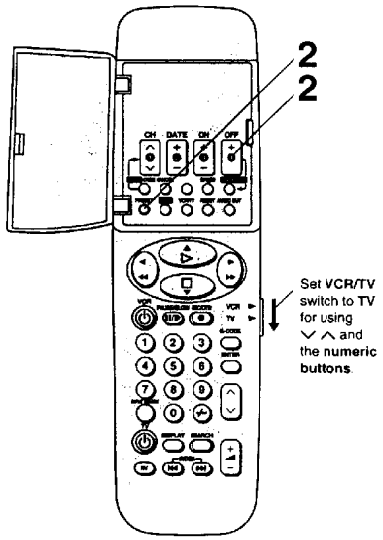
5 Select **ON** by pressing ◄ or ►.

- Repeat steps **3–5** for other unused programme positions to skip during the selection of programme positions.
- To cancel the blanking of a programme position, select that programme position then select **CLEAR OFF**.

6 Press **MENU** twice.

Setting the Remote Controller for Operation of your TV

You can operate the TVs of the manufacturers listed below with the remote controller after setting it.



1 Panasonic/National
2 Panasonic/National
3 Panasonic/National
4 Panasonic/National
5 SONY
6 TOSHIBA
7 JVC
8 HITACHI
9 MITSUBISHI
10 MITSUBISHI
11 SHARP
12 PHILIPS, SAMSUNG
13 NEC
14 SANYO
15 GOLD STAR
16 GOLD STAR
17 SAMSUNG
18 SAMSUNG
19 SANYO

Preparation

Install the batteries in the remote controller.

Operations

1 Turn on the TV.

2 Press **OFF** "+" or "−" slowly and accurately while holding down **PRESET**. Each time either "+" or "−" is pressed, the number changes in the following sequence.

- When "+" is pressed: 1→2→...19→1→...
- When "−" is pressed: 19→18→...1→19→...
- The TV power is turned off when you reach the number matching the number corresponding to the manufacturer of your TV. The manufacturer number is not displayed.
- Set **VCR/TV** switch to **TV**, otherwise you cannot select the programme position of the TV using ∨ ∧ and the **numeric buttons** of this remote controller.

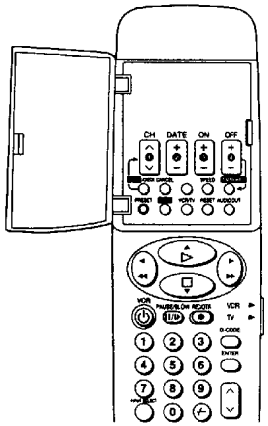
Note:
Some TV models cannot be operated using this remote controller.

When the TV manufacturer is Panasonic/National, MITSUBISHI, SANYO, GOLD STAR or SAMSUNG:
If, after the settings, none of the functions except for the one which turns off the power are operational, repeat step 2, and perform the settings again using a different manufacturer number.

Language Setting of the On Screen Display

Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- Turn on the VCR.
- Press **VCR/TV** to select the VCR mode. (NV-HD620EA only)

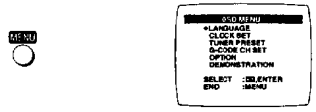


To Select the Desired Language

Select one of the two languages displayed: English and Russian.

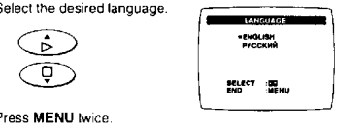
1 Press **MENU**.

On Screen Display



2 Select **LANGUAGE**.

3 Select the desired language.

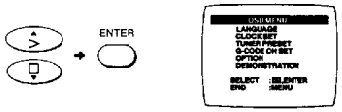


4 Press **MENU** twice.

To Demonstrate the OSD Menu

1 Press **MENU**.

2 Select **DEMONSTRATION**.



- During the demonstration mode, all the on screen displays are displayed one after the other at about five second intervals.

3 Press **MENU** to stop the demonstration.

Note:
The menu screen has a blue background. However, if there is no signal input while A1 or A2 is selected, the menu screen may change to black and white when **MENU** is pressed. This does not indicate a malfunction. If it happens, either input a signal or select another programme position.

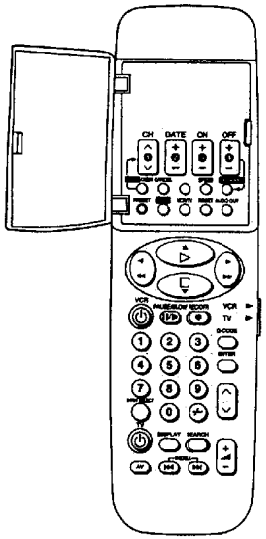
Setting the Clock of your VCR

The built-in digital clock is used to activate the timer for automatic recording and must be set to the correct time. It employs the 24-hour system.

Example:
Date: 16 October, 1999
Time: 20:15

Preparations

- Confirm that the TV is on and the VCR viewing channel is selected.
- Turn on the VCR.
- Press **VCR/TV** to select the VCR mode. (NV-HD620EA only)



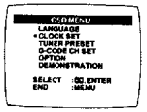
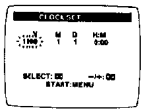
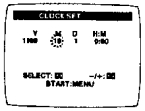
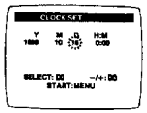
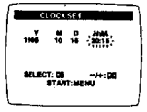
Time Reset Function

If the clock is less than two minutes slow or fast, it can easily be reset to the proper time.

Example:
Resetting the clock to 12:00.00

1 Select **CLOCK SET** from the OSD menu and press **ENTER**.

2 When the current clock display on the VCR is between 11:58.00 and 12:01.59, press **MENU** as soon as you hear the 12:00.00 signal. This resets the time to 12:00.00.

Operations	On Screen Display
1 MENU ○	Press **MENU**.
2 △ ▽ → ENTER	 Select **CLOCK SET**.
3 Set each item by pressing ▲ or ▼ and ►. Press ◄ to return to the previous item.	 Set **Year** to '1999'.
△ ▽ ↓ ►	 Set **Month** to "10".
	 Set **Date** to "16".
	 Set **Time** to '20:15". • When it is kept pressed, the indication changes in 30-minute steps. • There is no need to press ►.
4 MENU ○	**Display Symbol** Press **MENU**. • The clock starts.

Note:
The clock operates for at least 60 minutes on its backup system in the event of a power failure.

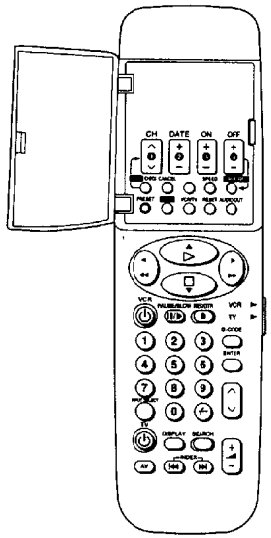
Preparations for G-Code Programming

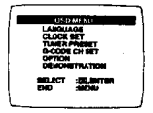
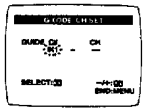
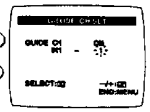
Identification numbers must be set for G-Code programming. Proceed with the G-Code programming operation described on page 29, and the identification numbers of the TV stations concerned will be set automatically. This will allow G-Code programming to be undertaken without performing the operation described on this page. However, you can follow the setting procedure described below if you wish to set the identification numbers of all the TV stations prior to actual programming.

"Identification numbers" refer to the numbers used for identifying TV stations.
The programme positions on the VCR receiving the TV stations are set in these identification numbers.
Have a newspaper or magazine which lists today's local TV station programmes and G-Code numbers on hand.

Preparations

- Set the clock of the VCR. See page 16.
- Store TV broadcasts in your VCR. See pages 11–13.
- Confirm that the TV is on and the VCR viewing channel is selected.
- Turn on the VCR.
- Press **VCR/TV** to select the VCR mode. (NV-HD620EA only)



Operations	On Screen Display
1 Press **MENU**. MENU ○	
2 Select **G-CODE CH SET**. △ ▽ → ENTER	
3 Select the identification number **(GUIDE CH)** (001–255). △ ▽	
4 Press ◄ or ► then select the programme position (1–99, A1, A2). ◄ ► → △ ▽	 • To set the other TV stations, press ◄ or ► then repeat steps **3** and **4**.
5 Press **MENU** twice. MENU ○	

Note:
To receive satellite stations, the satellite receiver must be connected to the VCR and programme position must be set depending on the type of connection.
A1/A2: When the satellite receiver is connected to the audio/video input sockets (AV1/AV2).
- When the satellite receiver is connected by means of the RF coaxial cable, set to a free programme position between 1 and 99.

Example:
(NV-HD620A)

TV Station	Position Number	Identification Number (GUIDE CH)
ABC	2	002
ATN	7	007
TCN	9	009
TEN	10	010
SBS	28	028/001

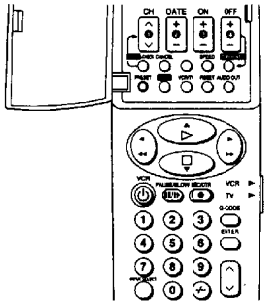
Example:
(NV-HD620EA)

TV Station	Position Number	Identification Number (GUIDE CH)
TV ONE	1	001
CHANNEL 2	2	002
TV3	3	003
SKY TV MOVIES		004
SKY TV SPORTS		005
SKY TV NEWS		006
SKY ORANGE		007
SKY DISCOVERY & TRACKSIDE		008
CTV	11	011

'Connection to the Sky decoder
When the Sky decoder is connected to the audio videc input sockets:
Set to "A1" or "A2".
When the Sky decoder is connected by means of the RF coaxial cable:
Set to the programme position that the Sky decoder is tuned to.
- When G-Code programming, turn on the Sky decoder and select the desired Sky channel.

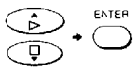
Settings Using the On Screen Display

Preparations
- Confirm that the TV is on and the VCR viewing channel is selected.
- Turn on the VCR.
- Press **VCR/TV** to select the VCR mode. (NV-HD620EA only)



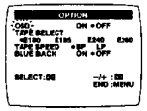
On Screen Display
1 Press **MENU**.

2 Select **OPTION**.



On Screen Display

3 Select **OSD**.

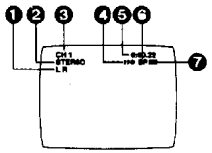


4 Select **ON** or **OFF**.

ON: The on screen display will appear on the TV screen.
OFF: The on screen display will not appear.

5 Press **MENU** twice to make the on screen display disappear.

To use the on screen display:



1 Audio Output Mode Indicators
The Left (L) and Right (R) Indicators show which sound mode is selected with **AUDIO OUT**.
Stereo: Both the Left (L) and Right (R) Indicators appear.
Left: The Left (L) Indicator appears.
Right: The Right (R) Indicator appears.
Normal: Neither the Left (L) nor Right (R) Indicator appears.

2 STEREO or BILINGUAL Indicator (NV-HD620A)
When receiving a TV programme, the type of sound system in which it is broadcast is automatically indicated.
STEREO, M1 and M2 Indicator (NV-HD620EA)
When receiving a TV programme with the NICAM sound system, the type of sound system in which it is broadcast is automatically indicated.
STEREO: When receiving a NICAM stereo broadcast.
M1 M2: When receiving a NICAM dual-sound broadcast.
M1: When receiving a NICAM monaura broadcast.

Note:
The hear stereo performance connect as shown on page 8 to a TV or Stereo Amplifier with left and right audio inputs.

3 Programme position

4 Tape running display

Stop, Eject	
Rewind, Review	◀◀
Fast forward, Cue	▶▶
Playback	▶
Still playback	❚❚
Recorcing	●
Recording pause	❚❚●
Slow playback	❚▶
Repeat playback	R ▶

❺ Present time/Tape counter/Remaining tape time/ OTR indication/Dew/Index search

Information	Display
Present time	17:24
Tape counter	-2:35.47
Remaining tape time	REMAIN 2:34
OTR indication	OTR 60
Dew	DEW
Index search	S 01

❻ Tape speed indicator (SP/LP/EP)

❼ Cassette-in indicator

Notes:

- The on screen display may be disturbed or disappear during specia playback.
- The on screen display does not appear when the **OSD** is set to OFF. Sat the **OSD** to OFF for dubbing.
- The **OSD** is sat to OFF when the VCR is purchased. The setting returns to OFF when the VCR is turned off.

To Select the Corresponding Video Cassette Tape Length to Display the Approximate Remaining Tape Time

Follow steps **1** to **2** on page 19.

3 Select **TAPE SELECT**.

On Screen Display

4 Select the corresponding video cassette tape length.

E180: For E30, -60, -90, -120, -150 and -180 tapes.
E195: For E195 tape.
E240: For E240 tape.
E260: For E260 and -300 tapes.

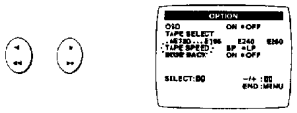
5 Press **MENU** twice to make the on screen display disappear.

To Select the Desired Tape Speed for Manual Recording

Follow steps **1** to **2** on page 19.

3 Select **TAPE SPEED**.

4 Select the desired tape speed.



5 Press **MENU** twice to make the on screen display disappear.

For the Blue Background Function

When **BLUE BACK** is **ON**, the screen will always have a blue background when no signal is received or the received signal is very weak.
Follow steps **1** to **2** on page 19.

3 Select **BLUE BACK**.

4 Select **ON** or **OFF**.

- When **BLUE BACK** is **OFF**, the blue background function is deactivated.
- It is not possible to record the blue picture of the blue background function.

5 Press **MENU** twice to make the on screen display disappear.

To select the Sound Mode (NV-HD620EA only)

Follow steps **1** to **2** on page 19.

3 Select **MONAURAL**.

4 Select **ON** or **OFF**.

- Select **ON** to record the normal sound during a NICAM broadcast or if the stereo sound is distorted due to inferior reception conditions.

5 Press **MENU** twice to make the on screen display disappear.

SECTION 2
ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2-1-1. DISASSEMBLY FLOW CHART

This flow chart indicates disassembly steps of the cabinet parts and the circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

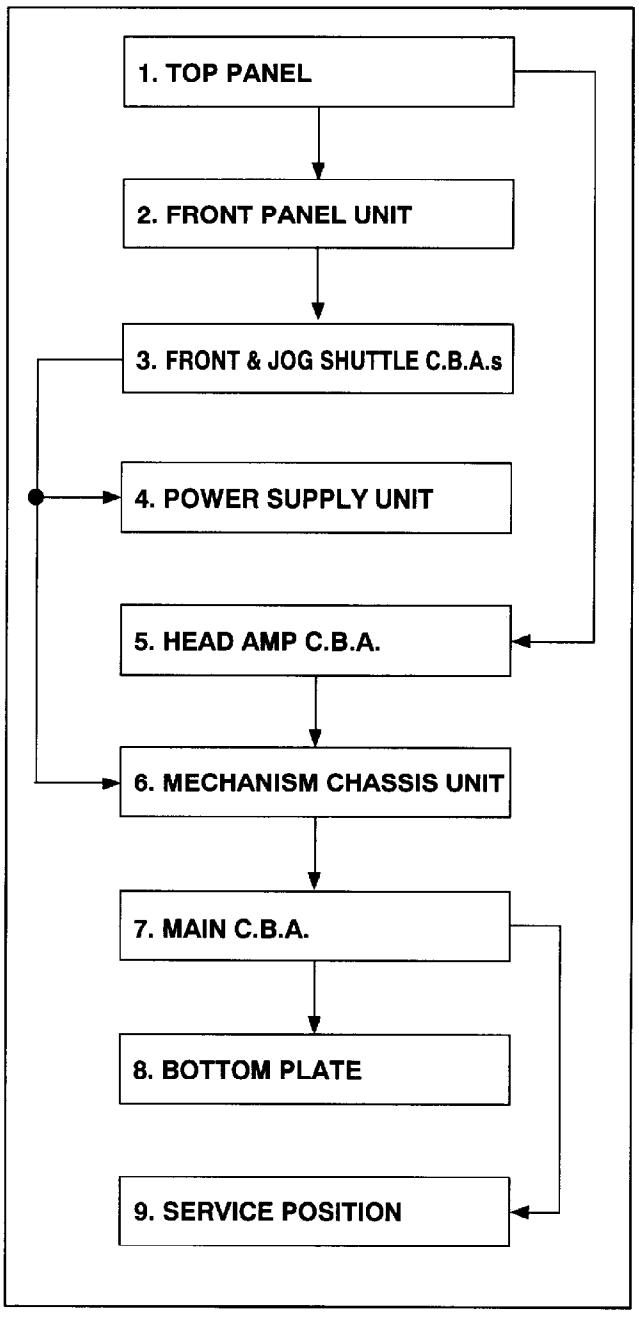


Fig. D1

1. REMOVAL OF THE TOP PANEL

Remove ..... 2 Screws (A)

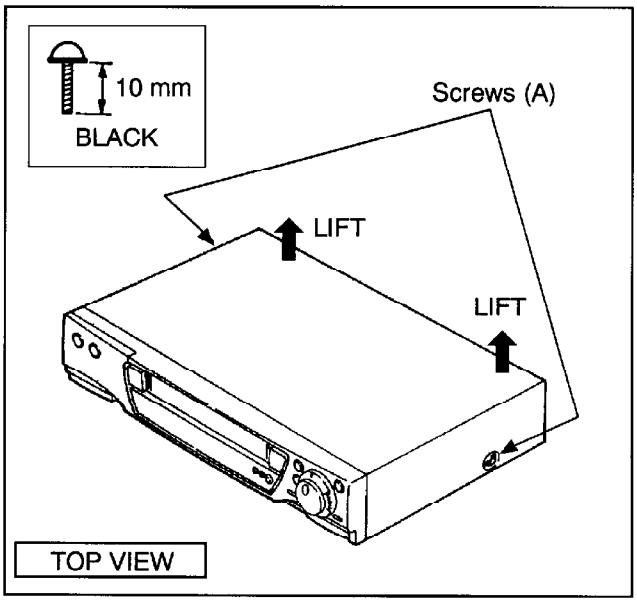


Fig. D2

2. REMOVAL OF THE FRONT PANEL UNIT

Pull out ..... JOG DIAL & SHUTTLE RING (HD670A,EA)
Unlock ..... 7 Tabs (B)

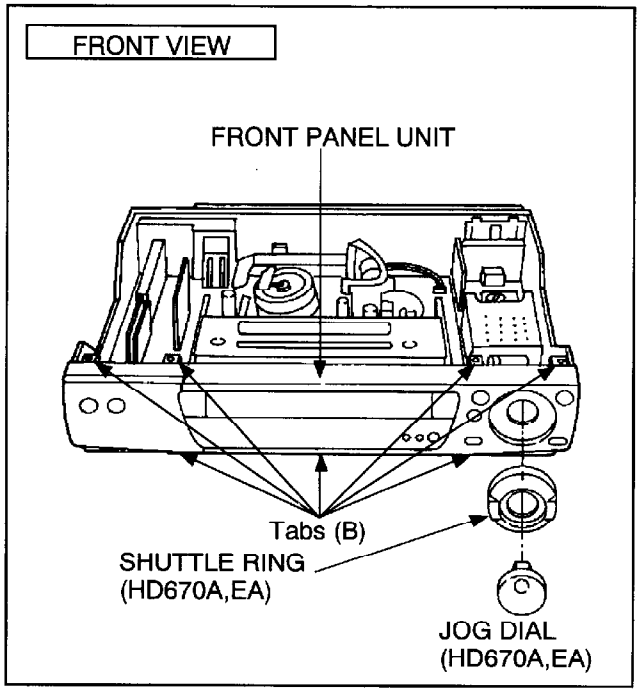


Fig. D3

3. REMOVAL OF THE FRONT & JOG SHUTTLE C.B.A.s

REMOVAL OF THE FRONT C.B.A.
Unlock ..... 2 Tabs (C)
Disconnect ..... P6501 (D)

REMOVAL OF THE JOG SHUTTLE C.B.A. (HD670A, EA)
Unlock ..... 2 Tabs (E)
Disconnect ..... P7502 (F)

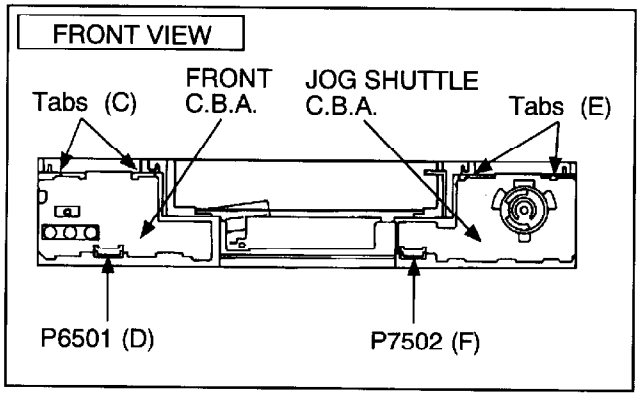


Fig. D4

4. REMOVAL OF THE POWER SUPPLY UNIT

Unlock ..... 6 Tabs (G)
Disconnect ..... Bridge connector (H)

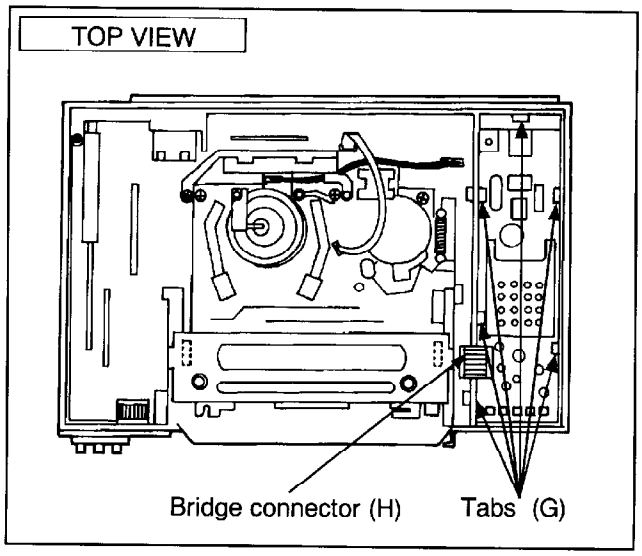


Fig. D5

5. REMOVAL OF THE HEAD AMP C.B.A.

Remove ..... Screw (I)
Remove ..... Screw (J)
Disconnect ..... 3 Connectors (K)

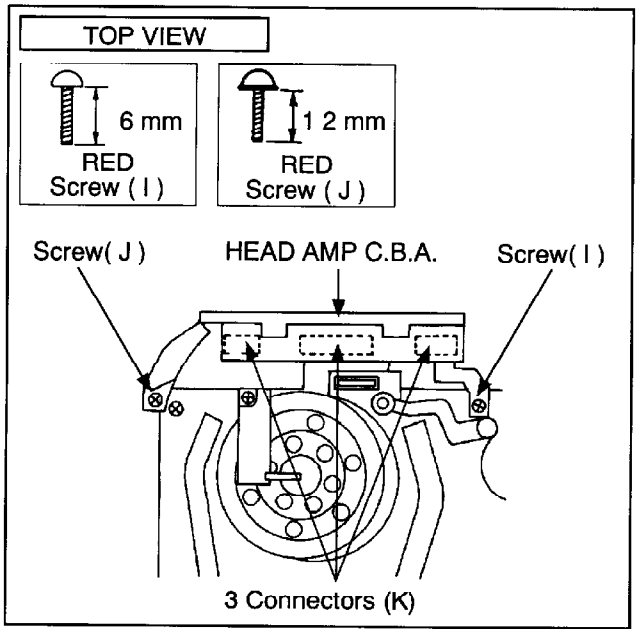


Fig. D6

6. REMOVAL OF THE MECHANISM CHASSIS UNIT

Remove ..... 2 Screws (L)
Remove ..... 2 Screws (M)

Note: Before removing 2 screws in the front, keep pressing 2 stoppers on Cassette Holder Plate and Press Cassette Holder Plate to the rear.
(or insert a cassette tape and press it to the rear until you will be able to remove 2 screws in the front when remove it.)

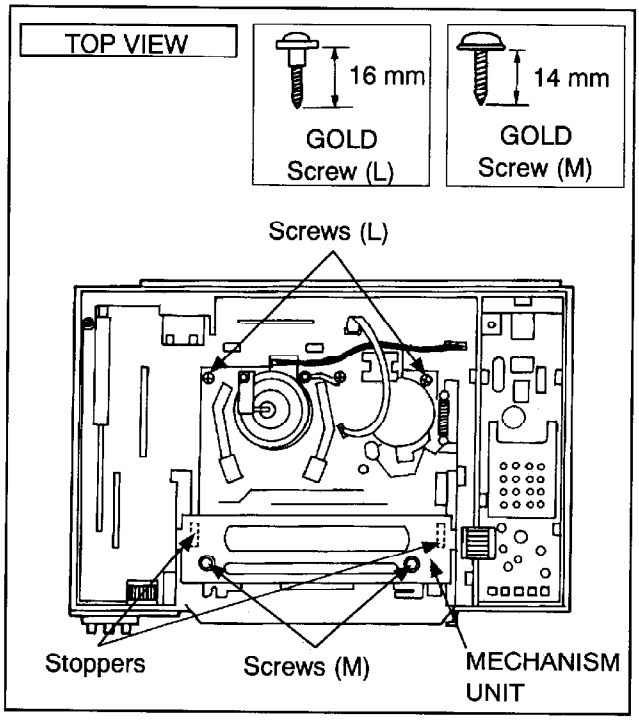


Fig. D7

7. REMOVAL OF THE MAIN C.B.A.

Disconnect..... Bridge Connector (H)
Remove ..... Screw (N)
Unlock..... 7 Tabs (O)

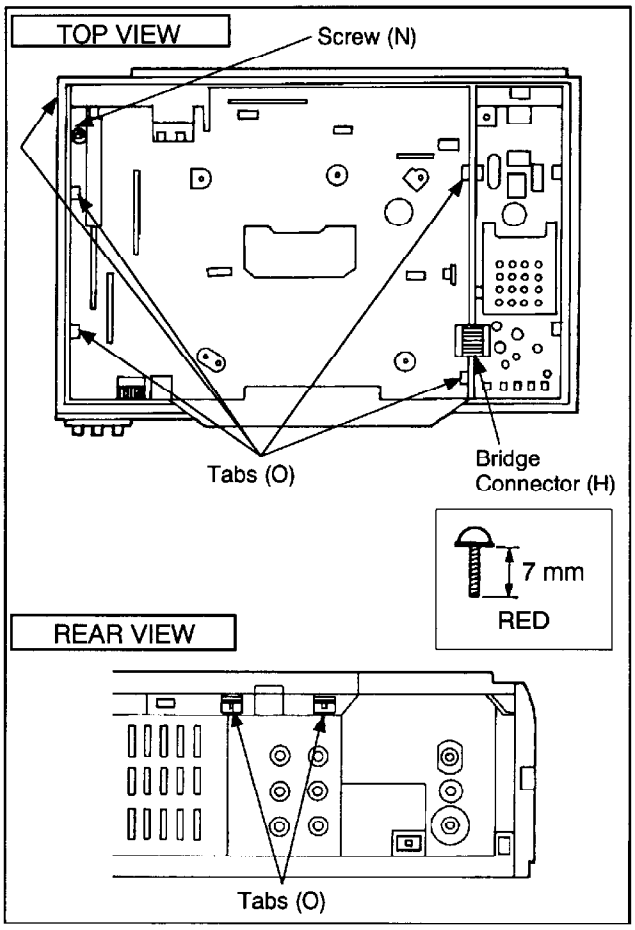


Fig. D8

8. REMOVAL OF THE BOTTOM PLATE

Unlock..... 10 Tabs (P)

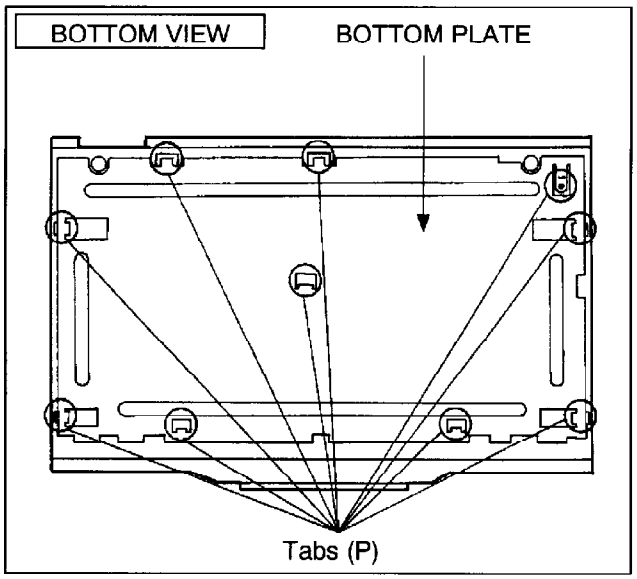


Fig. D9

9. SERVICE POSITION

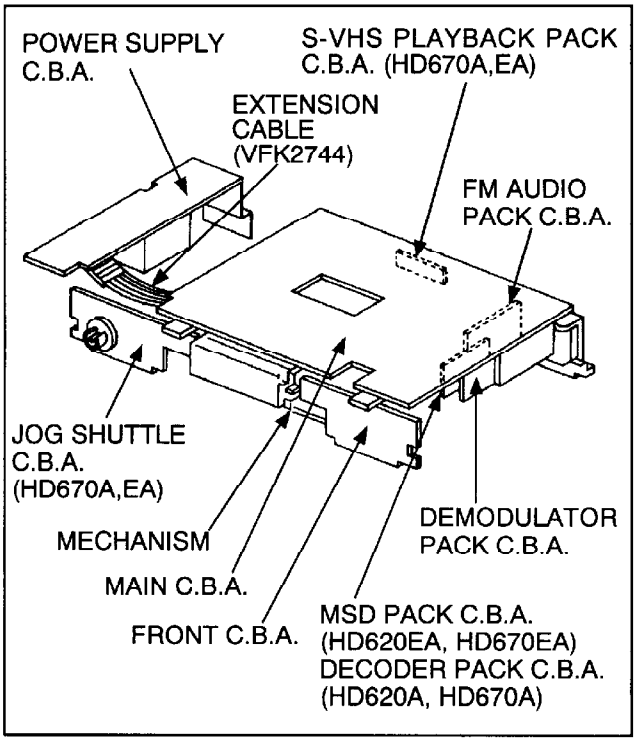


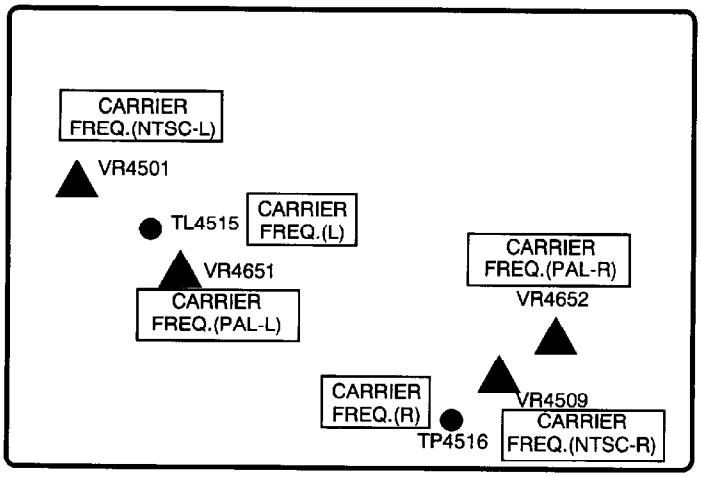
Fig. D10

2-2. MECHANICAL ADJUSTMENT PROCEDURES

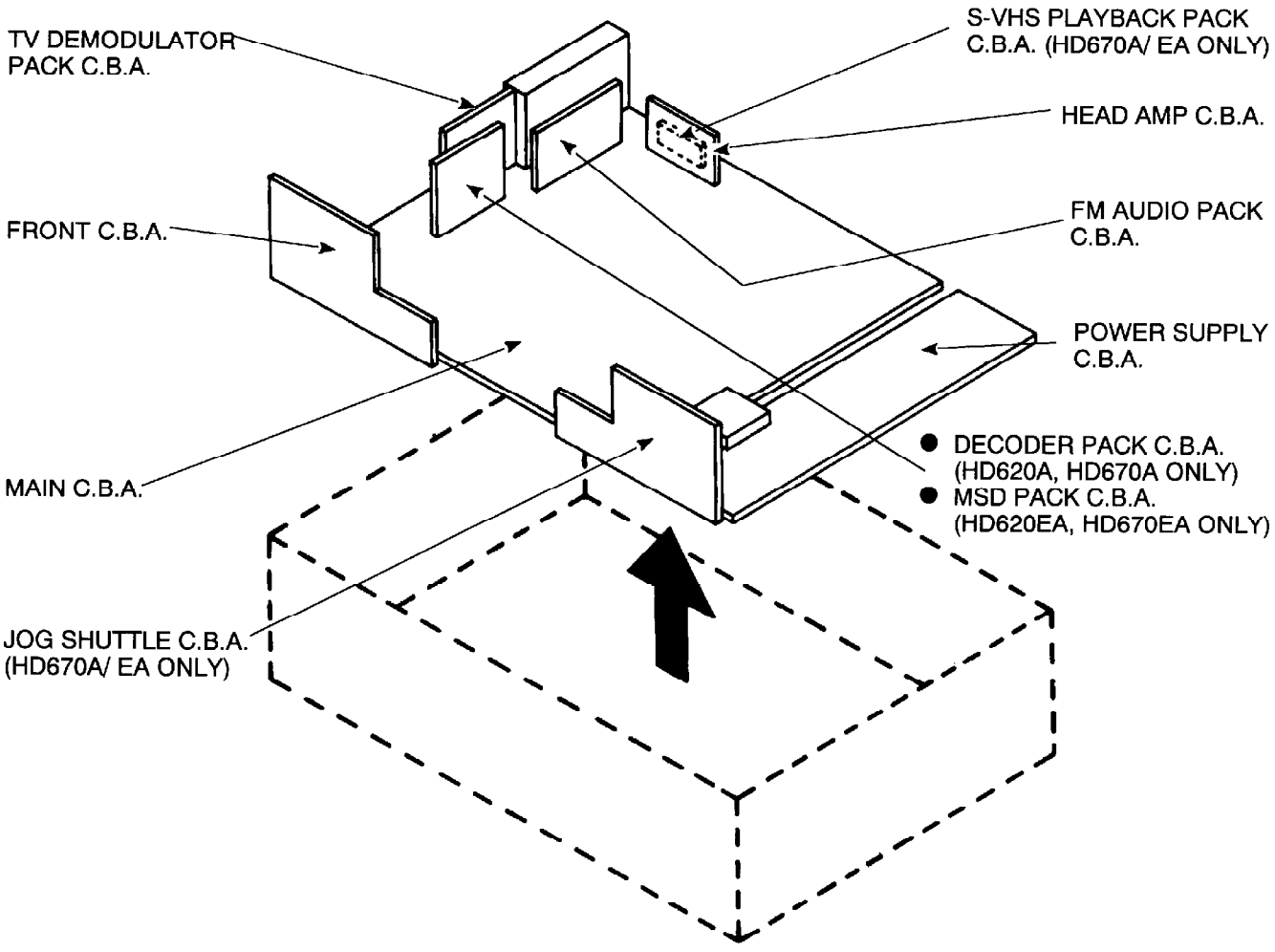
Refer to the Service Manual for Z Mechanism Chassis.
(Order No.: VRD9612M129)

LOCATION OF TEST POINTS & CONTROLS

FM AUDIO PACK C.B.A.



CIRCUIT BOARD LAYOUT



2-3. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete adjustment procedures required for electric circuits of VCR.

2-3-1. TEST EQUIPMENT

To perform electrical adjustments following equipment is required.

1. Dual-Trace Oscilloscope. (More than 35 MHz)
   Voltage Range : 0.005 – 5 V / div
   Frequency Range : DC – 35 MHz
   Probes : 10:1
2. Frequency Counter.
   Frequency Range : 0 – 10 MHz
   Probes : 1:1
3. Universal Counter.
4. Video Sweep Generator.
5. Sine Wave Generator.
6. Video Pattern Generator.
7. VHS Alignment Tape. (PAL : VFJ8125H3F)
   (NTSC : VFM8080HQFP)
8. VHS Blank Tape.
9. Plastic Tip Driver.
10. Vacuum Tube Volt Meter (V.T.V.M)
11. Monitor
12. Digital Voltmeter.
13. Power Supply.

2-3-2. HOW TO READ ADJUSTMENT PROCEDURES

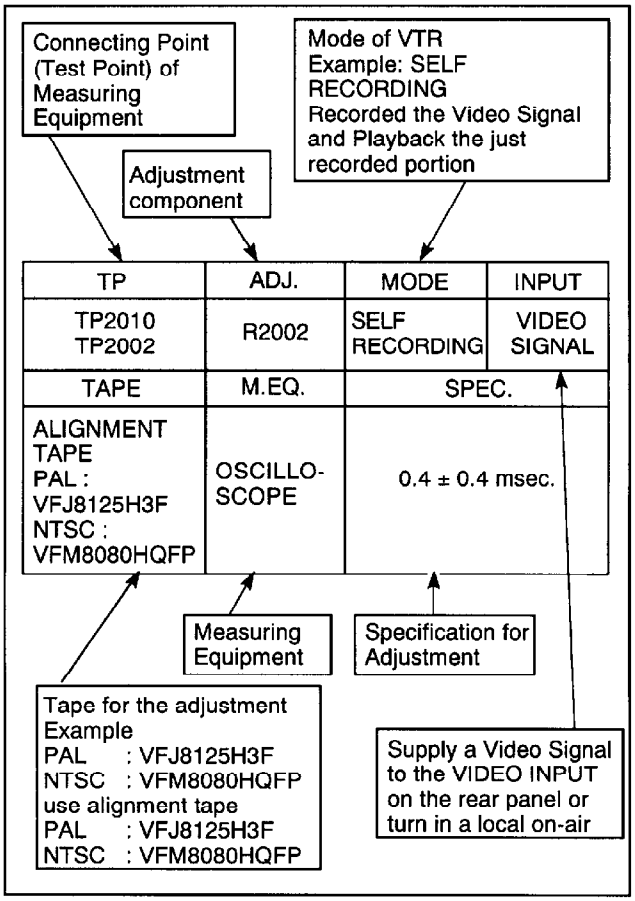


Fig.E1

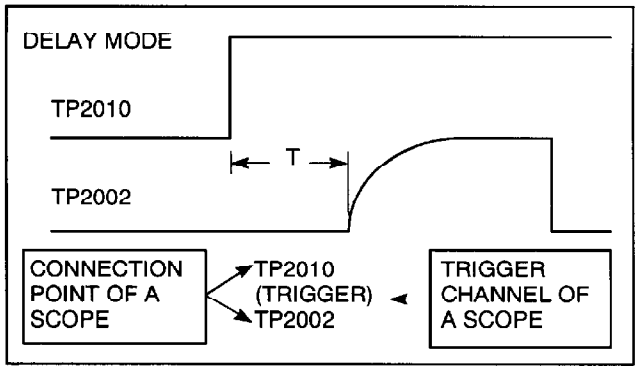


Fig.E2

SERVO SECTION

2-3-3. PG SHIFTER ADJUSTMENT

PROCEDURES	DISPLAY
1. To set Service Mode 2, turn the Shuttle Ring to FF and press EJECT button three times.	
2. Press EJECT button for more than three seconds. Indicate 1 in the digit of minute.	
3. Insert VHS Alignment Tape. (NTSC : VFM8080HQFP) (PAL : VFJ8125H3F)	
4. This adjustment is auto-matically started after VCR goes PLAY mode. (During the adjustment, the picture can be observed on the monitor.)	
5. When this adjustment is terminated, the following operation will be activated. Adjustment completed : The tape will be ejected. Adjustment incompleted : Indicates " F20 " Check the Servo/System Control circuit and Cylinder unit.	
6. To release Service Mode 2, turn the Shuttle Ring to FF and press EJECT button sixth times.	

Fig.E3

2-3-4. CARRIER FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TL4515 (L) TL4516 (R)	VR4501 (NTSC-L) VR4509 (NTSC-R) VR4651 (PAL-L) VR4652 (PAL-R)	SELF RECORDING or STOP	
TAPE	M.EQ.	SPEC.	
BLANK TAPE	FREQUENCY COUNTER	NTSC-L : 1.3 ± 0.003(MHz) NTSC-R : 1.7 ± 0.003(MHz) PAL-L : 1.4 ± 0.003(MHz) PAL-R : 1.8 ± 0.003(MHz)	

Nore: 1. When adjusting the NTSC mode, supply NTSC video signal (colour bar).
2. When adjusting the PAL mode, supply PAL video signal (colour bar).

SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS

3-1. ABBREVIATIONS

443NT [L]	4.43 NTSC Ⓛ	BIL. [H]	BILINGUAL Ⓗ
A. COMP	AUDIO COMPONENT SIGNAL	BIL/M1[L]	BILINGUAL Ⓛ
A. COMPO	AUDIO COMPONENT SIGNAL	BS CLOCK	BS CLOCK
A. D.P [L]	AUDIO DUBBING PAUSEⓁ	BS DATA	BS DATA
A. D/L [L]	AUDIO DUBBING PAUSE Ⓛ	BS LCH IN	BS L CHANNEL INPUT
A. DEF [S]	AUDIO DEFEAT	BS MIX [H]	BS MIX Ⓗ
A.DEF [S] [L]	AUDIO DEFEAT	BS MON [H]	BS MONITOR Ⓗ
A. DUB P [L]	AUDIO DUBBING PAUSE Ⓛ	BS MONI [H]	BS MONITOR Ⓗ
A. DUB [H]	AUDIO DUBBING Ⓗ	BS RCH IN	BS R CHANNEL INPUT
A. ERASE	AUDIO ERASE	BS VIDEO	BS VIDEO SIGNAL
A. H. SW	AUDIO HEAD SWITCHING PULSE	BS VIDEO/BS1	BS VIDEO SIGNAL
A. HEAD [R]	AUDIO HEAD (REC)	BS [H]	BS Ⓗ
A. HEAD [W]	AUDIO HEAD (PLAY)	BS. LEVEL	BS LEVEL
A. IN [L]	AUDIO INPUT (L)	BS. M [H]	BS MONITOR Ⓗ
A. IN [R]	AUDIO INPUT (R)	BS/VTR [H]	BS/VTR Ⓗ
A. MUT [H]	AUDIO MUTE Ⓗ	BUS CLK	BUS CLOCK
A. MUTE [H]	AUDIO MUTE Ⓗ	BUS LSN	BUS LISTEN
A. OUT [L]	AUDIO OUTPUT (L)	BUS TLK	BUS TALK
A. OUT [R]	AUDIO OUTPUT (R)	BUZZER	BUZZER
A. RF OUT	AUDIO RF SIGNAL OUTPUT	CAP EC	CAPSTAN TORQUE CONTROL
A/VS/S. DATA	AV SW/SERIAL DATA	CAP M GND	CAPSTAN MOTOR GND
AC ONLINE	AC ONLINE	CAP. ET	CAPSTAN TORQUE CONTROL
AC. O/EE. H	AC ONLINE/EE Ⓗ	CAP. FG1	CAPSTAN FG1 PULSE
AFC S C	AFC S CURVE	CAP. FG2	CAPSTAN FG2 PULSE
AFC [S]	AFC S CURVE	CAS. SW	CASSETTE SW
AFC. DEF	AFC DEFEAT	CCN	PLAYBACK CONTROL SIGNAL (−)
ARFC OUT	AUDIO RF SIGNAL OUTPUT	CCP	PLAYBACK CONTROL SIGNAL (+)
ART. V	ARTIFICIAL VERTICAL SYNC SIGNAL	CHM	CONTROL SIGNAL (+)
ART. V. MM	ARTIFICIAL VERTICAL SYNC SIGNAL MONO MULTI	CHP	CONTROL SIGNAL (−)
		CINEM [L]	CINEMA Ⓛ
ART. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL Ⓗ / NORMAL	CINEMA [L]	CINEMA Ⓛ
		CINEMA/MIX	CINEMA/MIX
AT. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL	CKL	RATCH LOCK
ATSW/TEST/NOR/SE	TEST/NORMAL/SERVICE	CKS	SHIFT LOCK
AUDIO IN [L]	AUDIO INPUT (L)	CL	CLOCK
AUDIO IN [R]	AUDIO INPUT (R)	CLK	CLOCK
AUDIO OUT [L]	AUDIO OUTPUT (L)	CLK (C.G)	CLOCK
AUDIO OUT [R]	AUDIO OUTPUT (R)	CLOCK. IN	CLOCK INPUT
AUDIO SELECT [H]	AUDIO SELECT Ⓗ	CLP	CLAMP
AUDIO. L	AUDIO (L)	COL/B/W/NOR	COLOUR/BLACK & WHITE/NORMAL
AUDIO. R	AUDIO (R)	COLOR [H]	COLOUR Ⓗ
AV CNT	AV CONTROL	CONV	CONVERTOR
AV CTL	AV CONTROL	CS	CHIP SELECT
AV CTL/S. CLK	AV CONTROL/SERIAL CLOCK	CTL GND	CONTROL GND
AV. C.M.	AV CONTROL MODE	CTL HEAD [+]	CONTROL HEAD (+)
AVCNT/METER. R	AV CONTROL/LEVEL METER(R)	CTL HEAD [−]	CONTROL HEAD (−)
AVSW/METER. L	AV SW/LEVEL METER (L)	CTL[+]	CONTROL HEAD (+)
B MODE. H	B MODE Ⓗ	CTL[−]	CONTROL HEAD (−)
B.G.P	BURST GATE PULSE	CUE BIAS	CUE BIAS
BACKUP 5V	BACK UP 5V	CURRENT LIM	CURRENT LIMITER
BAND. U.E.	BAND U	CYL ET	CYLINDER TORQUE CONTROL
BANDVL. D	BAND VL	CYL GND	CYLINDER GND
BI/MI [L]	BILINGUAL/MIX Ⓘ	D.F.M. REC [H]	DELAYED FM RECORDING Ⓗ
BIL	BILINGUAL	D. FM REC [L]	DELAYED FM RECORDING Ⓛ
BIL [L]	BILINGUAL Ⓛ	D. GND	DIGITAL GND

D. REC [H]	DELAYED RECORDING Ⓗ	H.SYNC	HORIZONTAL SYNC
D4/S. LED	D4/STILL LED	H. AMP. SW	HEAD AMP SW PULSE
D4/STILLED	D4/STILL LED	H. P <R>	HEAD PHONE (R)
DAC [CLK]	TUNER DAC (CLOCK)	H. P <L>	HEAD PHONE (L)
DAC/FSCS	TUNER DAC/FS CHIP SELECT	H. P GND	HEAD PHONE GND
DAREC [H]	DELAYED AUDIO RECORDINGⒽ	H. P OUT [L]	HEAD PHONE OUTPUT (L)
DATA	DATA	H. P OUT [R]	HEAD PHONE OUTPUT (R)
DECODER [L]	DECODER (L)	H. SW	HEAD SW PULSE
DECODER [R]	DECODER (R)	HEAD PHONE [L]	HEAD PHONE (L)
DEW	DEW	HEAD PHONE [R]	HEAD PHONE (R)
DEW SNS	DEW SENSOR	HEAD SW	HEAD SW
DFMRE [H]	DELAYED FM AUDIO RECORDINGⒽ	HEATER [+]	HEATER (+)
E. REC 5V	EXCEPT RECORDING 5V	HEATER [−]	HEATER (−)
EC	ERROR TORQUE CONTROL	HSS	HORIZONTAL SYNC SIGNAL
ECR	ERROR TORQUE CONTROL	HTR [+]	HEATER (+)
	REFERENCE VOLTAGE	HTR [−]	HEATER (−)
EDT TRIG [L]	EDIT TRIGGERⓁ	I RFE	REFERENCE CURRENT
EDIT [H]	EDIT Ⓗ	ICL	CONTROL AGC CIRCUIT
EE [H]	EE Ⓗ	IF	INTERMEDIATE FREQUENCY
EE [H]/INS [M]	EE Ⓗ /INSERTⓂ	IN SELA 1	INPUT SELECT A1 POSITION
EE. VV. TR	EE/VV/TRICK PLAY	IN SELA 2	INPUT SELECT A2 POSITION
EJECT. PO	EJECT POSITION	IN SELA 3	INPUT SELECT A3 POSITION
EJECT/VDET	EJECT/REVERSE SLOW LOCK	INS L/R [L]	INSERT Lch/RchⓁ
ENV. SEL	ENVELOPE SELECT	INS. [H]	INSERTⒽ
ENVE. OUT	ENVELOPE OUTPUT	INSEL A1	INPUT SELECT A1 POSITION
ENVE. SEL	ENVELOPE SELECT	INSEL A2	INPUT SELECT A2 POSITION
ENV SELECT	ENVELOPE SELECT	INSERT	INSERT
EP [H]	LP Ⓗ	INSERT [H]	INSERTⒽ
EP/LP [H]	LP Ⓗ	IO CS	INPUT/OUTPUT CHIP SELECT
EP/ LP/SP	LP/SP	JOG1	JOG1
EP/SS [H]	LP/SLOW/STILL/STOPⒽ	JOG S3 LED/FOWRD	JOG LED/FORWARD LED
EPROMCS	EPROM CHIP SELECT	JOG/F. LED	JOG LED/FORWARD LED
EX. REC 5V	EXCEPT RECORDING 5V	JSB [H]	JSB Ⓗ
FF/REW [L]	FAST FORWARD/REWINDⓁ	JST. CLCK	JUST CLOCK
FG1 IN	FG1 PULSE INPUT	JST. CLK	JUST CLOCK
FG2 IN	FG2 PULSE INPUT	JST. CLOCK	JUST CLOCK
FILTER ADJ.	FILTER ADJUSTMENT	L. OUT	Lch OUTPUT
FLY ERASE [H]	FLYING ERASE HEAD ONⒽ	L. CH [H]	Lch Ⓗ
FLY ON [H]	FLYING ERASE HEAD ONⒽ	L. CH [L]	Lch Ⓛ
FLY. E [H]	FLYING ERASE HEAD ONⒽ	LED (MAIN)	LED (MAIN)
FM MUT [H]	FM AUDIO MUTEⒽ	LED (STEREO)	LED (STEREO)
FM MUTE [H]	FM AUDIO MUTEⒽ	LED (SUB)	LED (SUB)
FM OUT [L]	FM OUTPUT (L)	LED CKL	LED SERIAL CLOCK
FM OUT [R]	FM OUTPUT (R)	LED CKS	LED SERIAL CLOCK
FM PACK OUT [L]	FM PACK OUTPUT (L)	LED DATA	LED SERIAL DATA
FM PACK OUT [R]	FM PACK OUTPUT (R)	LINE IN 1 [L]	LINE INPUT 1 (L)
FM/BS SEL [L]	FM/BS SELECT (L)	LINE IN 1 [R]	LINE INPUT 1 (R)
FM/BS SEL [R]	FM/BS SELECT (R)	LINE IN 2 [L]	LINE INPUT 2 (L)
FS. CLK	FS CLOCK	LINE IN 2 [R]	LINE INPUT 2 (R)
FUL E [H]	FULL ERASE HEAD ONⒽ	LINE IN V	LINE INPUT VIDEO
FULL. E [H]	FULL ERASE HEAD ONⒽ	LINE IN [L]	LINE INPUT (L)
FULL. E. 12V	FULL ERASE 12V	LINE IN [R]	LINE INPUT (R)
GND [A]	GND (ANALOGUE)	LINE OUT [L]	LINE OUTPUT (L)
GND [TU]	GND (TUNER)	LINE OUT [R]	LINE OUTPUT (R)
GND/N. SW. 12V	GND/NON SW 12V	LP [H]	LP Ⓗ

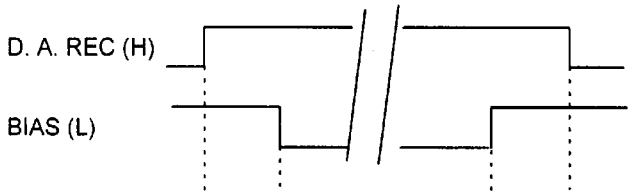
LPTRI [L]	LP TRICK PLAY Ⓛ	P. OFF [L]	POWER OFF Ⓛ
Lch/A. DUB	Lch/AUDIO DUBBING	PAL [H]	PAL Ⓗ
M GND	MOTOR GND	PAL [L]/NTSC [H]	PALⓁ /NTSCⒽ
M REG	MOTOR REGULATOR	PB ADJ. OUT	PLAYBACK ADJUST OUTPUT
MAIN OUT	MAIN OUTPUT	PB OUT	PLAYBACK OUTPUT
MAIN [L]	MAIN Ⓛ	PB. H	PLAYBACK Ⓗ
MAIN/MONO	MAIN/MONAURAL	PFG	PG/FG
MAX IN	MAXIMUM INPUT	PHOTSN +B	PHOTO SENSOR +B
MES [H]	MESECAM Ⓗ	PICT. CNT	PICTURE CONTROL
MESE [H]	MESECAM Ⓗ	PLAY LED/RVS LED	PLAY LED/REVERSE LED
MESE [L]	MESECAM Ⓛ	PLAY. PO	PLAY POSITION
METER 5V	LEVEL METER 5V	PLAY/R.LED	PLAY LED/REVERSE LED
METER [L]	LEVEL METER (L)	PLY/DEW	PLAY/DEW Ⓗ
METER [R]	LEVEL METER (R)	POWER OFF [L]	POWER OFF Ⓛ
METER. L/AVS	LEVEL METER (L)	PREROLL [H]	PREROLL Ⓗ
METER. R/AVC	LEVEL METER (R)	PWRFAIL	POWER FAILURE DETECT
MI/BI [L]	MIX Ⓗ /BILINGUAL	R. CH [H]	Rch Ⓗ
MIC GND	MIC GND	R. CH [L]	Rch Ⓛ
MIC IN	MIC INPUT	R. ST	RESET
MIC IN [L]	MIC INPUT (L)	R/S/F	REVERSEⒽ /STOPⓂ /FORWARDⓁ
MIC IN [R]	MIC INPUT (R)	RCH [H]	RchⒽ
MIC [H]	MIC Ⓗ	REC 12V	RECORDING 12V
MIX [H]	MIX Ⓗ	REC CHROMA	RECORDING CHROMINANCE SIGNAL
MIX [H]/CINEMA [L]	MIX Ⓗ /CINEMA SOUND Ⓛ	REC H	RECORDING Ⓗ
MIX/ CINE	MIX Ⓗ /CINEMA SOUND Ⓛ	REC IN	RECORDING INPUT
MIX/CINEMA [L]	MIX Ⓗ /CINEMA SOUND Ⓛ	REC OUT [L]	RECORDING OUTPUT Ⓛ
MN. H/M. L	MONAURAL Ⓗ /MAINⓁ	REC START	RECORDING START
MN. H/MAI. L	MONAURAL Ⓗ /MAIN Ⓛ	REC VR [C]	RECORDING VOLUME (COMMON)
MN2/MES. L	MONAURAL 2/MESECAMⓁ	REC VR [L]	RECORDING VOLUME (L)
MODE SEL	AUDIO MODE SELECT	REC VR [R]	RECORDING VOLUME (R)
MODE SW	AUDIO MODE SW	REC Y	RECORDING LUMINANCE SIGNAL
MODE. S. IN	AUDIO MODE SELECT INPUT	REC [H]	RECORDING Ⓗ
MODE. S. OUT	AUDIO MODE SELECT OUTPUT	REC. C	RECORDING CHROMINANCE SIGNAL
MONO [H]	MONAURAL Ⓗ	REC. Y	RECORDING LUMINANCE SIGNAL
MONO [H]/MAIN [L]	MONAURAL Ⓗ /MAIN Ⓛ	REC/EE CTL	RECORDING/EE CONTROL
MONO2 [L]	MONAURAL 2 Ⓛ	REEL-T	REEL PULSE(TAKE-UP)
MONO2/MESE[FM(L)]	MONAURAL 2/MESECAM(FMⓁ)	REEL-S	REEL PULSE (SUPPLY)
MOTOR GND	MOTOR GND	REGULATOR FILTER	REGULATOR FILTER
MUTE	MUTE	RESET	RESET
N. A. REC [L]	NORMAL AUDIO RECORDINGⓁ	REV M F/R	REVIEW MOTOR FORWARD/REVERSE
N. SW 12V	NON SW 12V	REV M V1	REVIEW MOTOR V1
N. SW. 5. DET	NON SW 5V DETECT	REV M V2	REVIEW MOTOR V2
NICAM	NICAM	REV MOTOR F/R	REVIEW MOTOR FORWARD/REVERSE
NICAM [L]	NICAM Ⓛ	REV MOTOR V1	REVIEW MOTOR V1
NOL [H]	PAL Ⓗ /4.43 NTSCⓂ /3.58 NTSCⓁ	REV MOTOR V2	REVIEW MOTOR V2
NOR/SOFT [H]	NORMAL/SOFT TAPE PLAYⒽ	REV MOTOR [+]	REVIEW MOTOR (+)
NORMAL [H]	NORMAL Ⓗ	REV MOTOR [−]	REVIEW MOTOR (−)
NR BIAS	NR BIAS	REV. M. GND	REVIEW MOTOR GND
NTSC [L]	NTSC Ⓛ	RF.CHROMA	RF CHROMINANCE SIGNAL
OCH	CONTROL AGC CIRCUIT	RF OUT	RF OUTPUT
OUT	OUTPUT	RF Y	RF LUMINANCE SIGNAL
P-OFF [H]	POWER OFF Ⓗ	RF. Y. IN	RF LUMINANCE SIGNAL INPUT
P-OFF [L]	POWER OFF Ⓛ	RF. Y. OUT	RF LUMINANCE SIGNAL OUTPUT
P. FAIL	POWER FAILURE DETECT		
P. OFF [H]	POWER OFF Ⓗ		

ROTAR. SW	ROTARY SW	T. BUSCLK	TIMER BUS CLOCK
ROTARY	ROTARY SW	T. BUSLSN	TIMER BUS LISTEN
RST	RESET	T. BUSTLK	TIMER BUS TALK
RST [L]	RESET Ⓛ	T. END [L]	TAPE END Ⓛ
Rch/INST	Rch/INSERT	T. PHOTO	TAKE-UP PHOTO TRANSISTOR
S IN	SERIAL DATA INPUT	TAPE END [L]	TAPE END Ⓛ
S OUT	SERIAL DATA OUTPUT	TAPE END [L]/CAM	TAPE END Ⓛ /CAMERA PAUSE
S-PHOTO	SUPPLY PHOTO TRANSISTOR	TEST	TEST MODE
S-RL. PLS	SUPPLY REEL PULSE	TPZ	TRAPEZOIDAL WAVE CIRCUIT
S. CLK	SERIAL CLOCK	TRIC [L]	TRICK PLAY Ⓛ
S. CLK/AV	SERIAL CLOCK/AV	TRICK [L]	TRICK PLAY Ⓛ
S. DATA	SERIAL DATA	TRK. ENV	AUDIO TRACKING ENVEL OPE DETECT
S. DATA/A	SERIAL DATA / AUDIO	TU. AUDIO	TUNER AUDIO
S. PHOTO	SUPPLY PHOTO TRANSISTOR	TU. GND	TUNER GND
S.TAB [L]	SAFETY TAB SW ON Ⓛ	TU. V. IN	TUNER VIDEO SIGNAL INPUT
S/P/N	SECAM/PAL/NTSC	TU. VIDEO	TUNER VIDEO
SC IN	SERIAL CLOCK INPUT	TUN NOR IN	TUNER NORMAL INPUT
SC OUT	SERIAL CLOCK OUTPUT	TUN R	TUNER AUDIO (R)
SCK SELECT	SERIAL CLOCK SELECT	TUN. AUDIO IN	TUNER AUDIO INPUT
SEL OUT [L]	SELECT OUTPUT (L)	TUNER 12V	TUNER 12V
SEL OUT [R]	SELECT OUTPUT (R)	TUNER L	TUNER AUDIO (L)
SHUTTLE 1	SHUTTLE 1	TUNER V IN	TUNER VIDEO SIGNAL INPUT
SIF	SOUND INTERMEDIATE FREQUENCY	TUNER [L]	TUNER AUDIO (L)
SLMUT [H]	INPUT SELECT MUTE Ⓗ	TUNER [N]	TUNER AUDIO (NORMAL)
SLNID [+]	SOLENOID (+)	TUNER [R]	TUNER AUDIO (R)
SLNID [−]	SOLENOID (−)	TUNER. 12	TUNER 12V
SLW TR. MM	SLOW TRACKING MONO MULTI	TUOFF [H]	TUNER OFF Ⓗ
SLW TR. REF	SLOW TRACKING REFERENCE VOLTAGE	TV. AUDIO	TV AUDIO
		TV/VTR	TV/VTR
SNS. GND	SENSOR GND	TXTON [L]	TEXT ON Ⓛ
SOFT [H]	SOFT TAPE PLAY Ⓗ	U. REG45V	UNREGULATOR 45V
SOFT [H]/NORMAL	SOFT TAPE PLAY Ⓗ /NORMAL Ⓗ	UNREG	UNREGULATOR
SOLENOID ON [L]	SOLENOID ON Ⓛ	UNREG 19V	UNREGULATOR 19V
SP [H]	SP Ⓗ	V. REF	REFERENCE VOLTAGE
SP/L/SLP	SP/LP	V. EE [H]	VIDEO EE Ⓗ
SSS [L]	SLOW/STILL/STOP Ⓛ	V. EE [L]	VIDEO EE Ⓛ
STEREO LED	STEREO LED	VCO REF	REFERENCE OSCILLATOR
STEREO [H]	STEREO Ⓗ	VD. IN	VIDEO SIGNAL INPUT
STEREO [L]	STEREO Ⓛ	VD. OUT	VIDEO SIGNAL OUTPUT
STOP. PO	STOP POSITION	VIDEO EE [L]	VIDEO EE Ⓛ
STOP/5V	STOP POSITION/5V	VIDEO IN	VIDEO SIGNAL INPUT
STOP1/TAPE SEL	STOP1 POSITION/TAPE SELECT	VIDEO OUT	VIDEO SIGNAL OUTPUT
STOP1/PAL : ST	STOP 1 POSITION/PAL	VM	MOTOR VOLTAGE
STOP2. PO	STOP 2 POSITION	VM DOWN [L]	MOTOR VOLTAGE DOWN Ⓛ
STOP2 / S-TAB	STOP POSITION/SAFETY TAB SW	VSS	VERTICAL SYNC SIGNAL
STREO [H]	STEREO Ⓗ	VTR [H]	VTR Ⓗ
SUB BIAS	SUB BIAS	VTR. 12V	VTR 12V
SUB. SW	SUB SW	X IN	OSCILLATOR INPUT
SVHS CAS [L]	S-VHS CASSETTE Ⓛ	X OUT	OSCILLATOR OUTPUT
SW. 5. DET	SW 5V DETECT		
SYNC [L]	SYNC Ⓛ		
SYSCON 5V	SYSTEM CONTROL 5V		
SYSTEM	SYSTEM SW		
T-PHOTO	TAKE-UP PHOTO TRANSISTOR		
T-RL. PLS	TAKE-UP REEL PULSE		

Input / Output Chart for IC6001

<table>
<tr><th>Pin Number</th><th>Input/Output</th><th>Port Name</th><th>Function</th></tr>
<tr><td>1</td><td>I</td><td>DEW SNS</td><td>This port is more than 1.36 V during detecting the dew formation.</td></tr>
<tr><td>2</td><td>I</td><td>NORMAL/SERVICE /T2/TEST</td><td>NORMAL/SERVICE/T2/TEST mode selection.
<table>
<tr><th>INPUT VOLTAGE</th><th>MODE</th></tr>
<tr><td>More than 4.0 V</td><td>NORMAL</td></tr>
<tr><td>2.5 V - 4.0 V</td><td>SERVICE</td></tr>
<tr><td>1.0 V - 2.5V</td><td>TEST2</td></tr>
<tr><td>Less than 1.0 V</td><td>TEST</td></tr>
</table></td></tr>
<tr><td>3</td><td>I</td><td>T-Photo</td><td>This port receives the signal (less than 2.4V) when take-up photo sensor detects the tape beginning.</td></tr>
<tr><td>4</td><td>I</td><td>S-Photo</td><td>This port receives the signal (less than 2.4V) when supply photo sensor detects the tape end.</td></tr>
<tr><td>5</td><td>I</td><td>T S CURVE</td><td>Tuner AFC S curve input in tuning mode.</td></tr>
<tr><td>6</td><td>I</td><td>TRACKING ENVE</td><td>Playback envelope input for tracking adjustment.</td></tr>
<tr><td>7</td><td>O</td><td>V O MUTE (H)</td><td>This port supplies the high signal when the screen is muted during cassette-in mode.</td></tr>
<tr><td>8</td><td>I</td><td>-/M1/BIL/M2/ST</td><td>Selection of tuning mode.
<table>
<tr><th>INPUT VOLTAGE</th><th>MODE</th></tr>
<tr><td>More than 4.2 V</td><td>NORMAL</td></tr>
<tr><td>3.0 V - 4.2 V</td><td>MONO1</td></tr>
<tr><td>2.0 V - 3.0 V</td><td>BILINGUL</td></tr>
<tr><td>0.8 V - 2.0 V</td><td>MONO1+2</td></tr>
<tr><td>Less than 0.8 V</td><td>STEREO</td></tr>
</table></td></tr>
<tr><td>9</td><td>O</td><td>CURRENT LIMIT</td><td>Capstan motor current limitter output.</td></tr>
<tr><td>10</td><td>O</td><td>CAP. R/F</td><td>Capstan rotation direction control
Reverse : High
Forward : Low</td></tr>
<tr><td>11</td><td>O</td><td>ART V/H/N</td><td>This port supplies artificial vertical sync signal to stabilize the picture in special playback mode.</td></tr>
<tr><td>12</td><td>O</td><td>REMOCON IN (L)</td><td>This port supplies the low signal while the remote control pulse is supplied.</td></tr>
<tr><td>13</td><td>O</td><td>ROTARY SW</td><td>Rotary switching signal output.</td></tr>
<tr><td>14</td><td>O</td><td>H. AMP SW</td><td>Head amp switching signal output.</td></tr>
<tr><td>15</td><td>O</td><td>ENVE SELECT</td><td>This port receives the playback envelope signal level to select the video head in special playback mode.</td></tr>
<tr><td>16</td><td>O</td><td>VIDEO H. SW</td><td>Video head switching signal output.</td></tr>
<tr><td>17</td><td>O</td><td>D. A REC. (H)</td><td>Audio signal recording on/off control.</td></tr>
<tr><td>18</td><td>O</td><td>D. REC. (H)</td><td>Video signal recording on/off control.</td></tr>
<tr><td>19</td><td>O</td><td>CUR EMPHA</td><td>HI-FI audio recording current control.</td></tr>
<tr><td>20</td><td>O</td><td>D FM REC. (H)</td><td>HI-FI audio signal recording on/off control.</td></tr>
<tr><td>21</td><td>O</td><td>INSERT (L)</td><td>This port supplies low signal during insert mode.</td></tr>
</table>

Fig. MP1

<table>
<tr><th>Pin Number</th><th>Input/Output</th><th>Port Name</th><th>Function</th></tr>
<tr><td>22</td><td>O</td><td>FULL ERASE (L)</td><td>Full erase on/off control.
ON : Low
OFF : High</td></tr>
<tr><td>23</td><td>O</td><td>EE/VV/TRICK (L)</td><td>This port supplies the low signal during special playback (CUE,REV, SLOW,STILL) mode.</td></tr>
<tr><td>24</td><td>O</td><td>BIAS (L)</td><td>Normal audio recording control
 
</td></tr>
<tr><td>25</td><td>O</td><td>CAP VM CHG (H)</td><td>Capstan motor drive control.</td></tr>
<tr><td>26</td><td>O</td><td>FF/REW&P.OFF (L)</td><td>This port supplies the low signal during FF and REW mode.</td></tr>
<tr><td>27</td><td>O</td><td>LOW SPEED (L)</td><td>This port supplies the low signal while the capstan motor drives in low speed.</td></tr>
<tr><td>28</td><td>O</td><td>MONO (H)</td><td>Compulsory monaural output.
Monaural on : High
Monaural off : Low</td></tr>
<tr><td>29</td><td>O</td><td>VIDEO EE (L)</td><td>EE/VV mode selection
EE mode : Low
VV mode : High</td></tr>
<tr><td>30</td><td>O</td><td>VIDEO EE (H)</td><td>EE/VV mode selection (The logic of pin 29 is reversed)
EE mode : High
VV mode : Low</td></tr>
<tr><td>31</td><td>O</td><td>HIFI/MIX/NORMAL</td><td rowspan="2">Audio output mode control.
<table>
<tr><td>M I X</td><td colspan="4">M O D E</td></tr>
<tr><td>(HI-FI and Normal)</td><td>STEREO</td><td>L CH</td><td>R CH</td><td>NORMAL</td></tr>
<tr><td>HIFI/MIX/NORMAL</td><td>Z</td><td>Z</td><td>Z</td><td>-</td></tr>
<tr><td>L CH/R CH/STEREO</td><td>L</td><td>H</td><td>Z</td><td>-</td></tr>
</table>
* MIX : The model is built in audio Dubbing.
<table>
<tr><td>EXCEPT M I X</td><td colspan="4">M O D E</td></tr>
<tr><td></td><td>STEREO</td><td>L CH</td><td>R CH</td><td>NORMAL</td></tr>
<tr><td>HIFI/MIX/NORMAL</td><td>H</td><td>H</td><td>H</td><td>L</td></tr>
<tr><td>L CH/R CH/STEREO</td><td>L</td><td>H</td><td>Z</td><td></td></tr>
</table>
Z : High Impedance</td></tr>
<tr><td>32</td><td>O</td><td>L CH/R CH/
STEREO</td></tr>
<tr><td>33</td><td>I</td><td>CLK SLCT</td><td>Clock source selection port</td></tr>
<tr><td>34</td><td>O</td><td>SIMUL(H)/INSEL(H)</td><td>Input selection control</td></tr>
<tr><td>35</td><td>I</td><td>5V(D)</td><td>Digital 5V</td></tr>
<tr><td>36</td><td>I</td><td>16MHz OSC IN</td><td>Oscillator input</td></tr>
<tr><td>37</td><td>O</td><td>16MHz OSC OUT</td><td>Oscillator output</td></tr>
<tr><td>38</td><td>I</td><td>GND (OSC)</td><td>GND</td></tr>
<tr><td>39</td><td>I</td><td>32KHz IN</td><td>Oscillator input</td></tr>
<tr><td>40</td><td>O</td><td>32KHz OUT</td><td>Oscillator output</td></tr>
<tr><td>41</td><td>I</td><td>RESET (L)</td><td>This port is low while IC6001 is reset.</td></tr>
</table>

Pin Number	Input/Output	Port Name	Function
42	O	SP (L)	This port supplies the Low signal in SP mode.
43	O	TV(H)/VTR(L)	TV/VTR selection TV : High VTR : Low
44	I	JOGB	JOG input port
45	I	JOGA	JOG input port
46	O	B/W (L)	This port supplies the low signal in B/W mode.
47	O	A. H. SW	HiFi audio head switching signal output.
48	O	LINE (H)/TUNER (L)	Line/Tuner selection control Line : High Tuner : Low
49	O	P FAIL OUT (L)	This port supplies the low signal during 90msec. after the high signal is supplied to this port.
50	O	OSD CS (L)	This port supplies the low signal while OSD IC actives.
51	O	MEM CS (L)	This port supplies low signal when the signal is sent to EEPROM.
52	O	PLL CS (H)	This port supplies the high signal when the signal is sent to tuner.
53	O	TU V MUTE (H)	This port supplies the high signal while tuner is muted.
54	O	TUNER SERCH (H)	This port supplies the high signal while tuner is searching.
55	O	NTSC M (H)	Refer to Fig. MP5. NTSC-M : High Except NTSC-M : Low
56	O	PAL-I(H)/B,G,DK(H)	Refer to Fig. MP5. PAL-I (audio carrier : 6.0MHz) : High PAL-B,G,DK (audio carrier : 5.5MHz or 6.5MHz) : Low
57	O	MESECAM(H)/ AUTO(Z)/PAL(L)	Refer to Fig. MP5. Compulsory MESECAM : High AUTO (PAL/MESECAM) : High Impedance Compulsory PAL : Low
58	O	NTSC (L)	Refer to Fig. MP5. This port supplies the low signal in NTSC mode.
59	O	EE EDIT (H)	This port supplies the high signal in EE mode, NTSC and EP mode.
60	O	AI1 (H)	AI playback control.
61	O	A. DUB (H)	This port supplies high signal during audio dubbing mode.
62	O	AUDIO MUTE (H)	This port supplies the high signal in special playback (CUE, REV, SLOW, STILL) mode.
63	O	FLD TALK	Display control serial data output.
64	I	FLD LSN	Display control serial data input.
65	O	FLD CLK	Display control serial clock output.
66	O	IC TALK	EEPROM CG PLL control serial data output.
67	I	IC LSN	EEPROM CG PLL control serial data input.
68	O	IC CLK	EEPROM CG PLL control serial clock output.
69	I	POWER OFF (H)	Power on/off control.
70	O	LOADING (H)	This port supplies high signal while the mechanism is loaded.
71	O	128Hz	Main clock of microprocessor.
72	O	UNLOADING (H)	This port supplies high signal while the mechanism is unloaded.

Fig. MP3

Pin Number	Input/Output	Port Name	Function
73	O	P FAIL IN (L)	Power failure detection.
74	I	5V (DA)	D/A 5V
75	O	CAP ET	Capstan torque order.
76	O	CYL ET	Cylinder torque order.
77	I	S. REEL PULSE	Supply reel pulse input.
78	I	T. REEL PULSE	Take-up reel pulse input.
79	I	358 (H)	NTSC 3.58 selection.
80	I	ABS NORM	HiFi audio mode selection control (Compulsory normal audio mode).
81	I	S TAB (L)	This port receives low signal while the cassette tape with safety tab is inserted.
82	I	VSYNC (HSY)	Composite video sync. input.
83	I	CAP FG	Capstan FG input.
84	I	CAP FG OUT	Capstan FG output.
85	O	CLY PFG	Cylinder PFG input.
86		GND (A)	Analog GND.
87	O	OREF	Op amp output for 1/2 VDD reference.
88	I	IREF	Op amp input for 1/2 VDD reference.
89	I/O	CTL. HEAD (-)	Control signal (-) input.
90	I/O	CTL. HEAD (+)	Control signal (+) input.
91	I	TEST SIGNAL (L)	This port supplies the low signal while test signal is displayed.
92	I	GND	GND
93	I	CTL AMP REF	Control amp reference input.
94	-	CTL AMP GND	Control amp GND.
95	O	PB CTL OUT	Control amp output.
96		5V (A)	Analog 5V
97	I	POSITION SW3	
98	I	POSITION SW2	
99	I	POSITION SW1	

P SW 3	P SW 2	P SW 1	POSITION (MODE) NAME
0	0	0	EJECT
0	0	I	CASSETTE DOWN
0	I	0	REV, REV SLOW
0	I	I	MID (LOADING, UNLOADING)
I	0	0	PLAY, REC, STILL, PAUSE, CUE, FWD SLOW, STOP3*1
I	0	I	STOP
I	I	0	FF, REW
I	I	I	INTERMEDIATE

*1 The Pinch Roller is on the capstan motor shaft.

100	O	FL DRV CS (H)	This port supplies the high signal when the display driver is selected.

Fig. MP4

Relationship table between possible tuning and possible recording of broadcasting system and system selection control port

NV-HD620A/EA NV-HD670A/EA	SYSTEM SELECTION CONTROL PORT			
	NTSC-M (H) PIN 55	PAL-I (H) PIN 56	MESECAM (H) PIN 57 *2	NTSC (L) PIN 58
PAL-B, G, D	L	L	Z *1	H
---				L
---	L	H	Z *1	H
---				L
---	L	L	H	H
---	H	L	Z *1	L

Z : High Impedance

Fig. MP5

Relationship between possible recording of line input and possible playback and system selection control port

NV-HD620A/EA NV-HD670A/EA	CONTROL PORT	
	MESECAM (H) PIN 57	NTSC (L) PIN 58
PAL	Z *1	H
NTSC		L
---	H	H
NTSC		L *3
PAL	L	H
NTSC		L

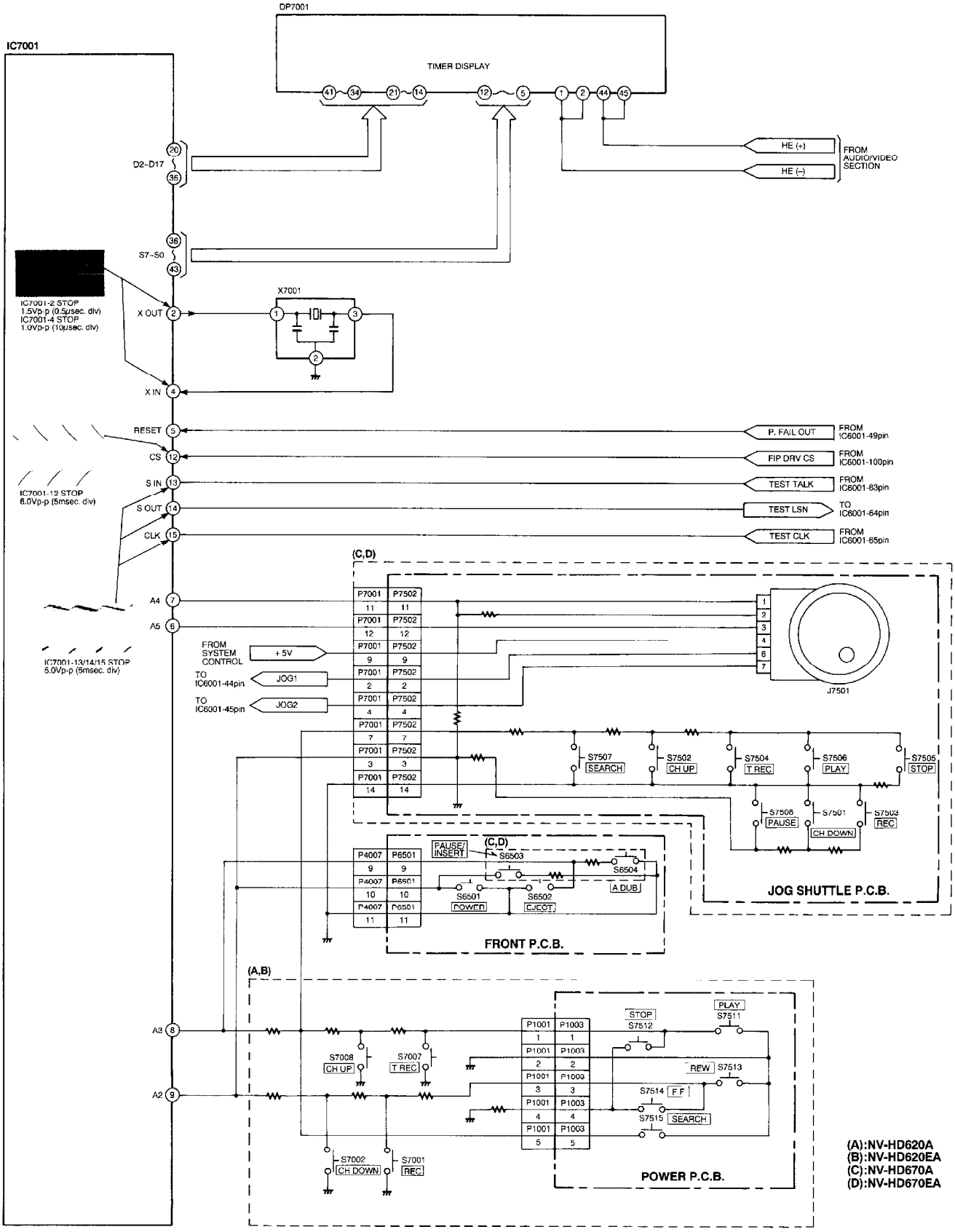
Z : High Impedance

*1 : When MESECAM is set to High impedance, port level (High or Low) is defined by Y/C IC distinction. (It is defined by input signal supplied to Y/C IC)

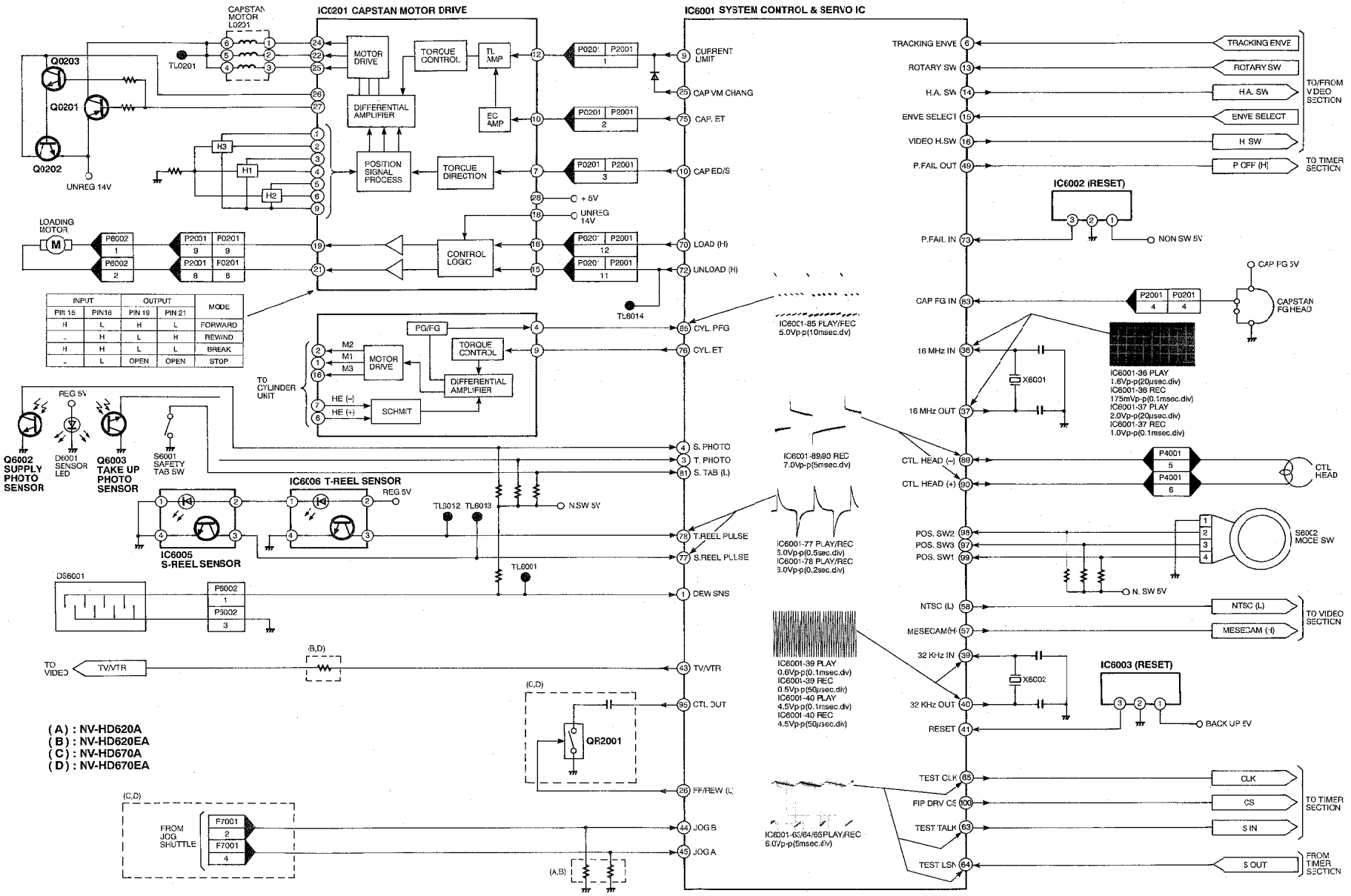
*2 : When OSD is appeared in the monitor except recording mode (Blue back) compulsory MESECAM is set to High.

*3 : The following condition is not programmed.
MESECAM (H) = H & NTSC (L) = L

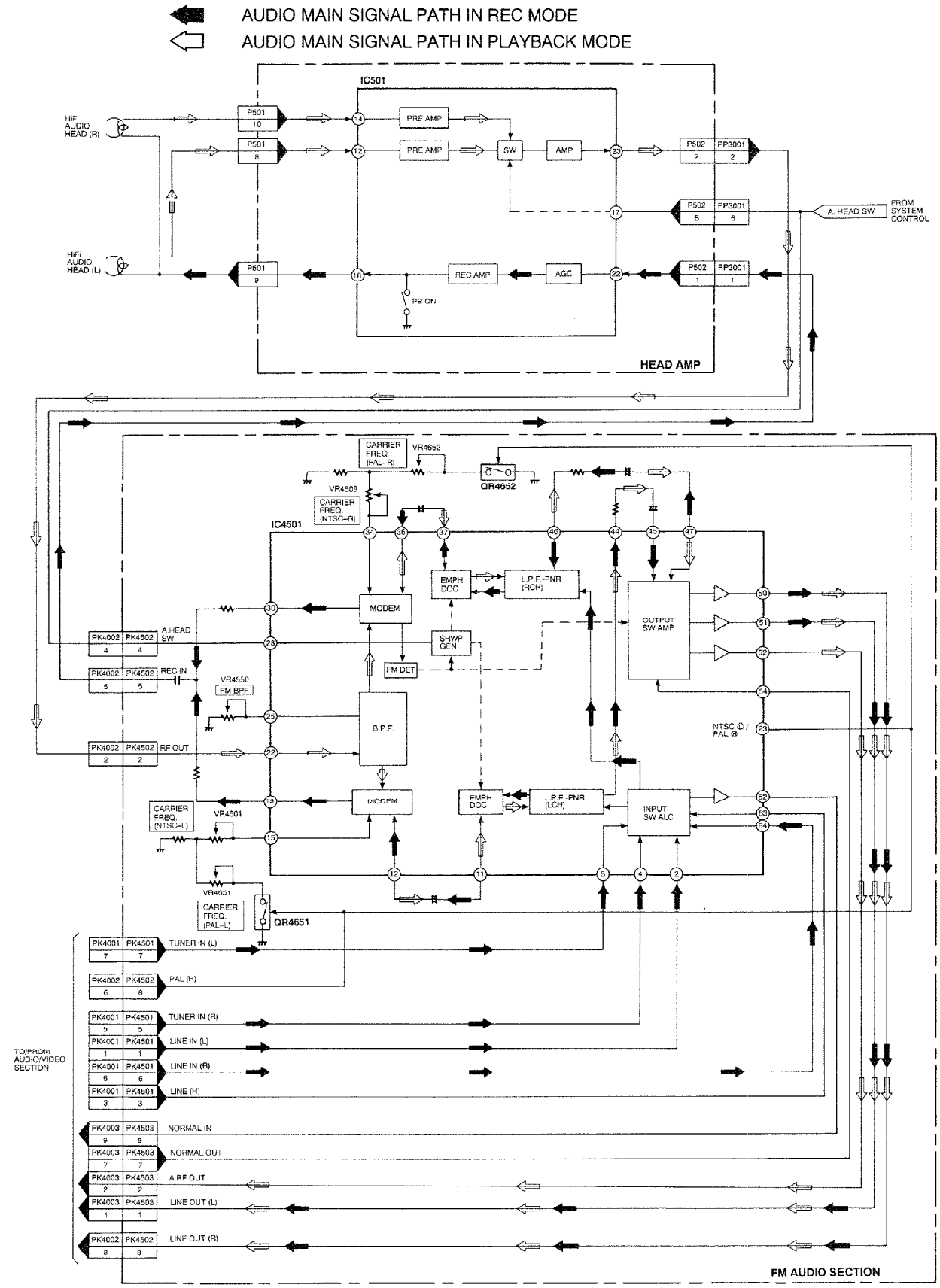
3-2. TIMER SECTION BLOCK DIAGRAM



3-3. SYSTEM CONTROL & SERVO SECTION BLOCK DIAGRAM



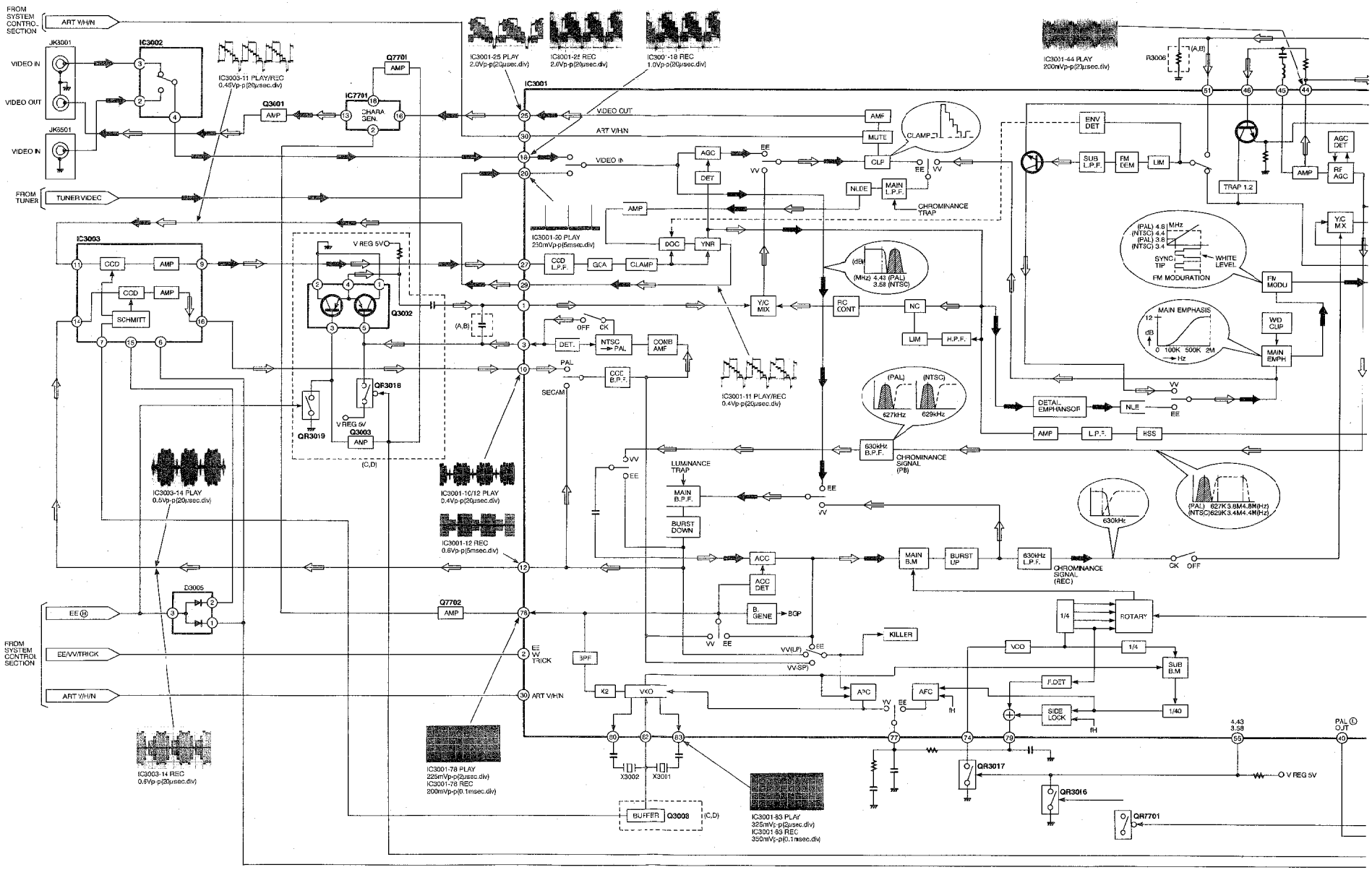
3-4. FM AUDIO SECTION BLOCK DIAGRAM

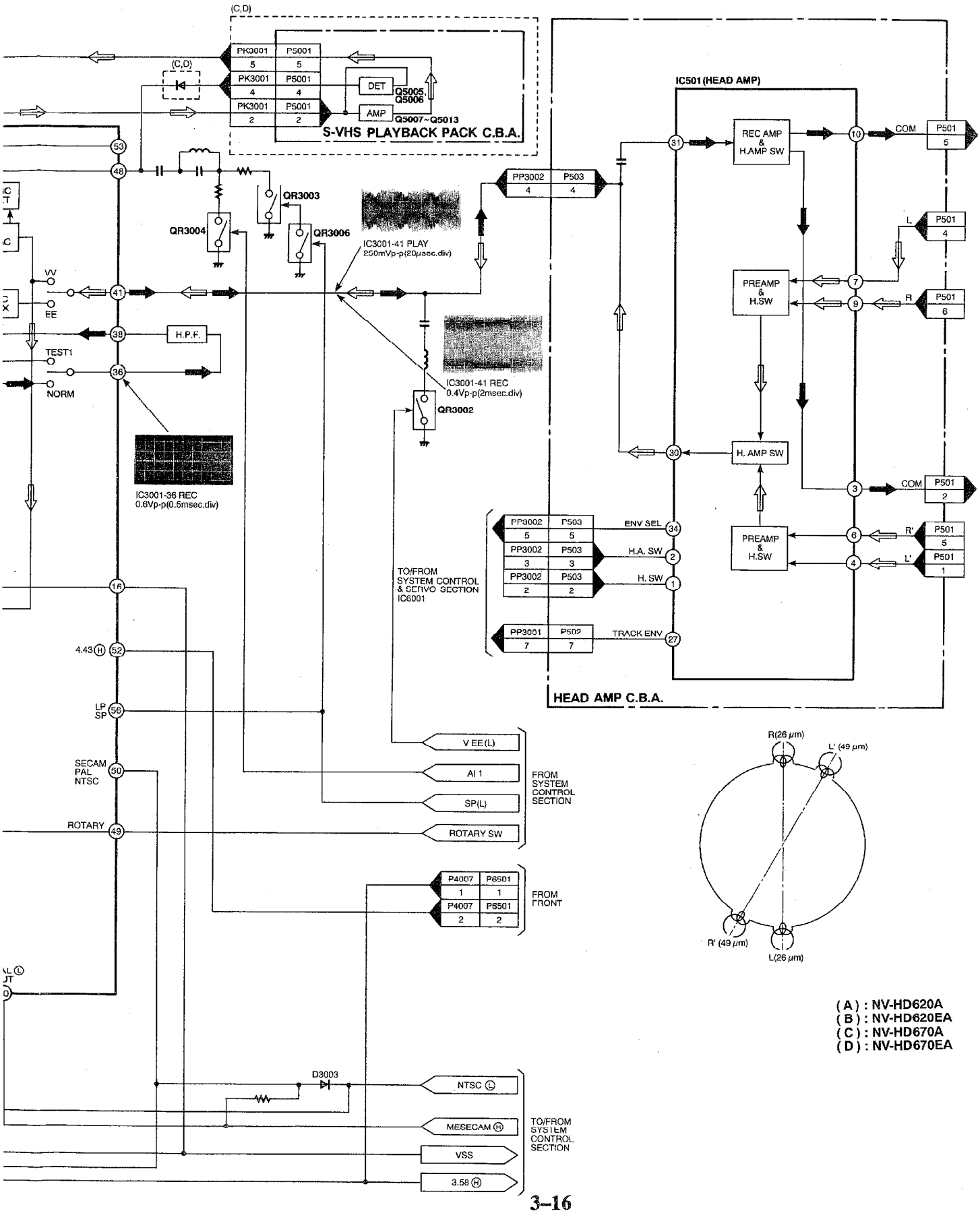


3-5. VIDEO SECTION BLOCK DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE

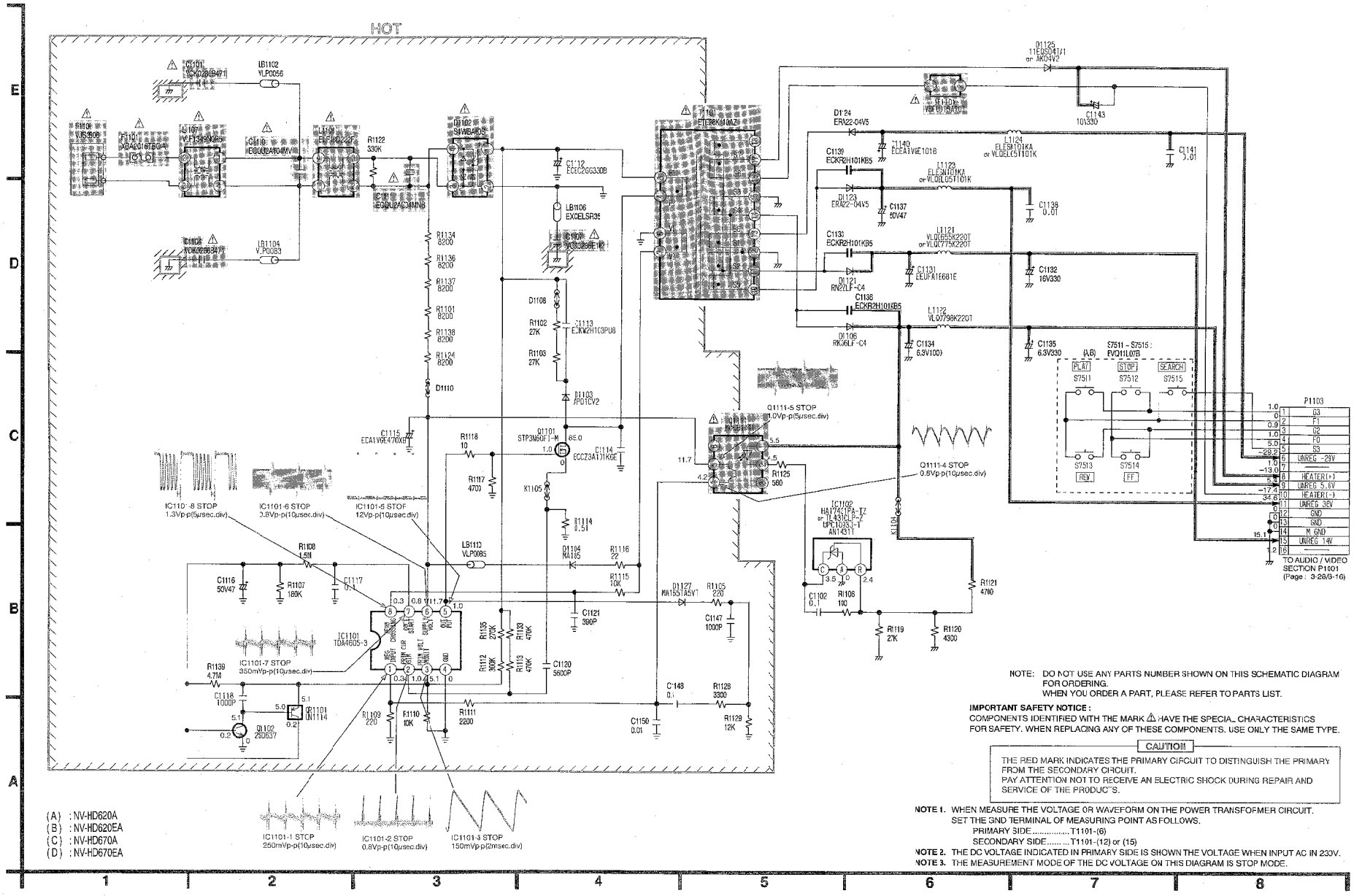
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE





(A) : NV-HD620A
(B) : NV-HD620EA
(C) : NV-HD670A
(D) : NV-HD670EA

3-6. POWER SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE :
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIA_ CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CAUTION

THE RED MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUC¯S.

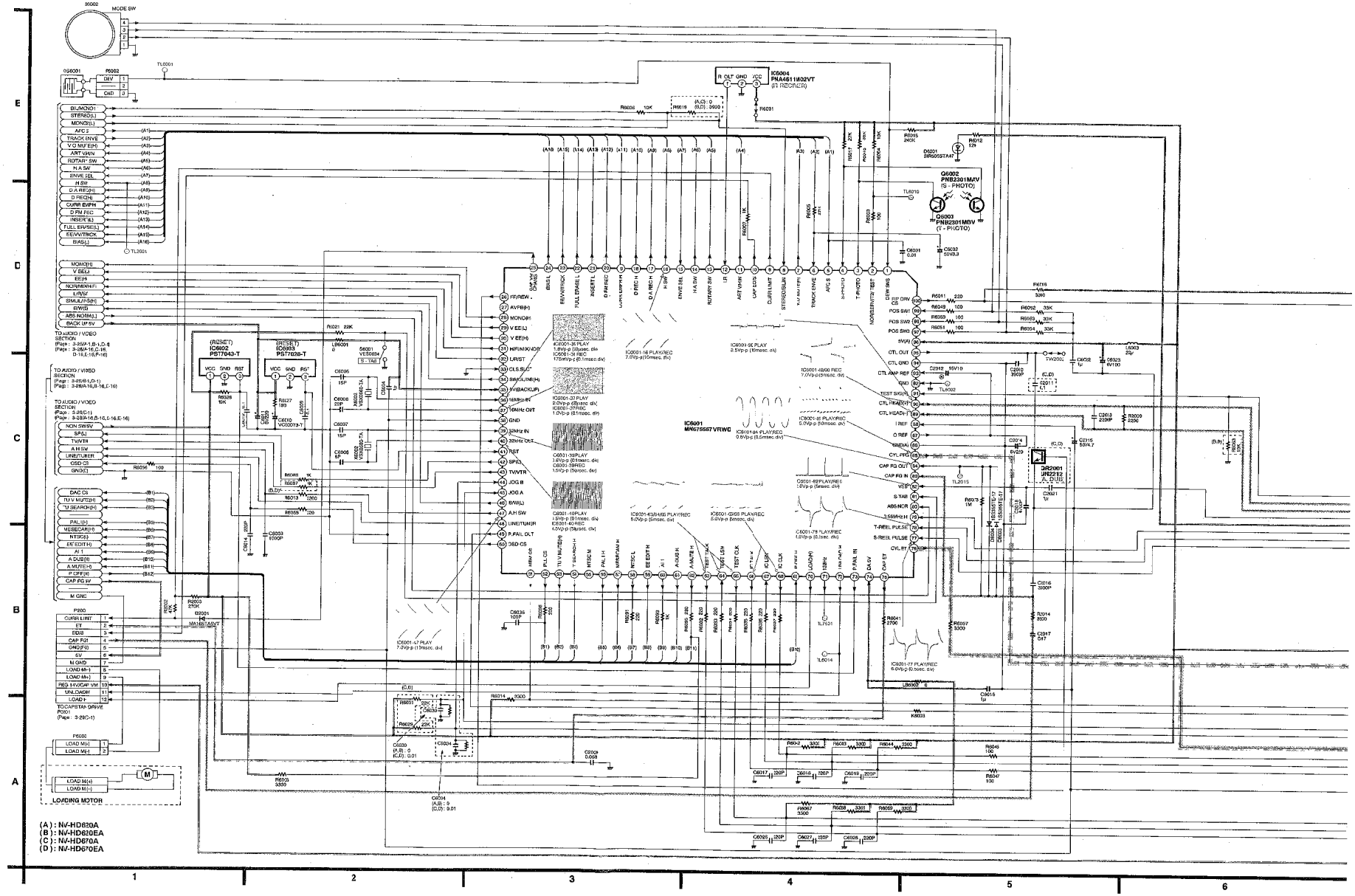
NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT.
SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE.....T1101-(6)
SECONDARY SIDE.....T1101-(12) or (15)

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IN 230V.

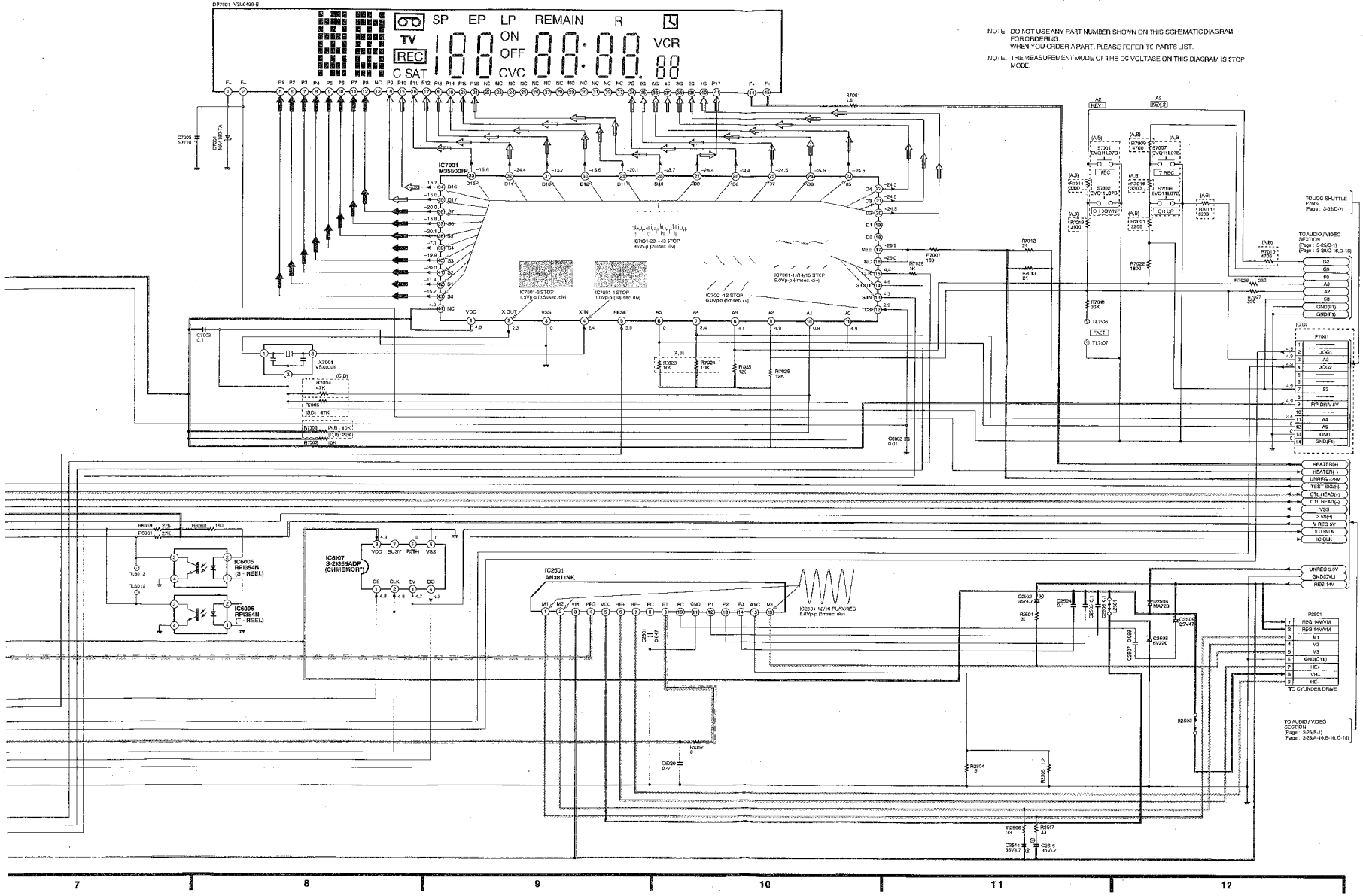
NOTE 3. THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-7. SYSTEM CONTROL & SERVO / TIMER / DRIVE SECTION IN MAIN SCHEMATIC DIAGRAM

CAPSTAN SERVO PHASE LOOP
CAPSTAN SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP



GRID CONTROL SIGNAL PATH
SEGMENT CONTROL SIGNAL PATH



SYSTEM CONTROL & SERVO DC VOLTAGE CHART (SP MODE)

REF. NO.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	14.9	15.1	14.7	1.3	5.0	2.4	2.5	0.5	2.4	1.3	0	3.6	3.8	3.7	0	15.2				
PLAY	14.9	13.8	14.7	1.0	5.0	2.4	2.5	0.5	2.4	1.3	0	3.6	3.8	3.7	0	13.9				
REC	14.9	13.8	14.7	1.3	5.0	2.4	2.5	0.5	2.4	1.3	0	3.6	3.8	3.7	0	14.6				
F.F	14.3	14.6	14.4	1.2	5.0	2.4	2.5	0.5	2.4	1.3	0	3.6	3.8	3.7	0	13.6				
REW	14.0	14.6	14.4	1.0	5.0	2.4	2.5	0.5	2.4	1.3	0	3.6	3.8	3.7	0	13.6				

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.6	4.9	3.1	2.1	0	4.9	0	0	0	4.9	0	0	1.9	4.9	0	0	0	0
PLAY	0	5.0	4.2	4.9	3.7	2.6	0	4.9	5.0	0	0	4.9	5.0	0	4.8	4.9	0	0	0	0
REC	0	5.0	4.4	4.9	3.0	2.1	0	4.9	5.0	0	0	4.9	5.0	0	0	4.9	4.9	4.9	0	5.0
F.F	0	5.0	4.6	4.9	3.7	1.9	0	4.9	5.0	0	0	4.9	0	0	0	4.9	0	0	0	0
REW	0	5.0	4.6	4.9	3.7	1.9	0	4.9	5.0	5.0	0	4.9	0	0	3.6	4.9	0	0	0	0

REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	5.0	5.0	4.9	5.0	0	4.9	0	0	0	5.0	4.9	0	0	5.0	5.0	–	–	0	2.1	2.7
PLAY	5.0	5.0	2.2	5.0	0	4.9	5.0	0	4.9	0	4.9	0	0	5.0	5.0	–	–	0	2.1	2.7
REC	5.0	0.1	4.9	0.1	0	4.9	0	0	0	5.0	4.9	0	0	5.0	5.0	–	–	0	2.1	2.7
F.F	5.0	5.0	4.9	5.0	4.8	0	0.8	0	0	5.0	4.9	0	0	5.0	5.0	–	–	0	2.1	2.7
REW	5.0	1.2	1.2	5.0	4.8	1.3	0	1.3	0	1.3	4.9	0	0	5.0	1.3	–	–	0	2.1	2.7

REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	5.0	0	5.0	4.9	4.9	5.0	5.0	4.9	5.0	4.3	4.8	0	0	0	0	0	0.1	4.9	0	0
PLAY	5.0	0	5.0	4.9	4.9	5.0	5.0	4.9	5.0	4.3	4.8	0	0	0	0	0	0.1	4.9	0	0
REC	5.0	0	5.0	4.9	4.9	5.0	0	4.9	5.0	4.3	4.8	0	0	0	0	0	0.1	4.9	0	0
F.F	5.0	0	5.0	4.9	4.9	5.0	5.0	4.9	5.0	4.3	4.8	0	0	0	0	0	0.1	4.9	0	0
REW	5.0	0	5.0	4.9	4.9	5.0	5.0	4.9	5.0	4.3	4.8	0	0	0	0	0	0.1	4.9	0	0

REF. NO.	IC6001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	4.3	4.6	4.4	4.6	4.9	4.6	0	0	2.6	0	4.9	5.0	0	2.4	5.0	5.0	4.9	4.4
PLAY	0	0	4.3	4.6	4.4	4.6	4.9	4.6	0	0	2.6	0	4.9	5.0	2.3	2.4	5.0	5.0	4.9	4.4
REC	0	0	4.3	4.6	4.4	4.6	4.9	4.6	0	0	2.6	0	4.9	5.0	2.3	2.4	5.0	5.0	4.9	4.4
F.F	0	0	4.3	4.6	4.4	4.6	4.9	4.6	0	0	2.6	0	4.9	5.0	2.7	2.4	2.2	2.4	4.9	4.4
REW	0	0	4.3	4.6	4.4	4.6	4.9	4.6	0	0	2.6	0	4.9	5.0	2.7	2.4	2.2	2.4	4.9	4.4

REF. NO.	IC6001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0	2.4	–	–	1.3	0	2.5	2.4	2.4	2.4	0	0	2.4	0	2.5	5.0	4.9	0	0	3.1
PLAY	5.0	2.4	–	–	1.3	0	2.5	2.4	2.4	2.4	0	0	2.4	0	2.5	5.0	4.9	0	0	3.1
REC	0	2.4	–	–	1.3	0	2.5	2.4	3.7	3.6	0	0	2.4	0	2.5	5.0	4.9	0	0	3.1
F.F	0	2.4	–	–	1.3	0	2.5	2.4	2.4	2.4	0	0	2.4	0	2.5	5.0	4.9	4.9	0	3.0
REW	0	2.4	–	–	1.3	0	2.5	2.4	1.4	2.4	0	0	2.4	0	2.5	5.0	4.9	4.9	0	3.0

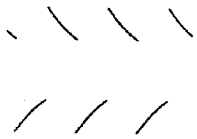
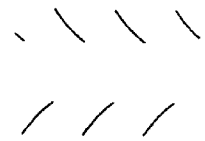
REF. NO.	IC6002										IC6003									
MODE	1	2	3								1	2	3							
STOP	5.0	0	4.9								5.0	0	5.0							
PLAY	5.0	0	4.9								5.0	0	5.0							
REC	5.0	0	4.9								5.0	0	5.0							
F.F	5.0	0	4.9								5.0	0	5.0							
REW	5.0	0	4.9								5.0	0	5.0							

REF. NO.	IC6004										IC6005									
MODE	1	2	3								1	2	3	4						
STOP	4.9	0	5.0								1.0	2.2	5.0	0						
PLAY	4.9	0	5.0								1.0	2.2	5.0	0						
REC	4.9	0	5.0								1.0	2.2	5.0	0						
F.F	4.9	0	5.0								1.0	2.2	2.6	0						
REW	4.9	0	5.0								1.0	2.2	2.5	0						

REF. NO.	IC6006																			
MODE	1	2	3	4																
STOP	0	1.0	0	0																
PLAY	0	1.0	0	5.0																
REC	0	1.0	0	5.0																
F.F	0	1.0	0	2.5																
REW	0	1.0	0	2.2																

REF. NO.	Q6002			Q6003			QR2001													
MODE	+	–		+	–		E	C	B											
STOP	4.8	0		4.6	0		0	0	4.9											
PLAY	4.8	0		4.1	0		0	0	4.9											
REC	4.8	0		4.6	0		0	0	4.9											
F.F	4.8	0		4.6	0		0	1.5	0											
REW	4.8	0		4.6	0		0	1.5	0											

AUDIO/VIDEO MAIN WAVEFORM CHART (SP MODE)

IC3001-10/12 PLAY 0.4Vp-p (20μsec. div)	IC3001-12 REC 0.6Vp-p (5msec. div)	IC3001-18 REC 1.0Vp-p (20μsec. div)	IC3001-20 PLAY 250mVp-p (5msec. div)
IC3001-25 PLAY 2.0Vp-p (20μsec. div)	IC3001-25 REC 2.0Vp-p (20μsec. div)	IC3001-29 PLAY/REC 0.4Vp-p (20μsec. div)	IC3001-36 REC 0.6Vp-p (0.5msec. div)
IC3001-41 PLAY 250mVp-p (20μsec. div)	IC3001-41 REC 0.4Vp-p (2msec. div)	IC3001-44 PLAY 200mVp-p (20μsec. div)	IC3001-78 PLAY 225mVp-p (2μsec. div) IC3001-78 REC 200mVp-p (0.1msec. div)
IC3001-83 PLAY 325mVp-p (2μsec. div) IC3001-83 REC 350mVp-p (0.1msec. div)	IC3003-9 PLAY/REC 1.2Vp-p (1msec. div)	IC3003-11 PLAY/REC 450mVp-p (20μsec. div)	IC3003-14 PLAY 0.5Vp-p (20μsec. div)
IC3003-14 REC 0.6Vp-p (20μsec. div)	IC3003-16 PLAY 0.6Vp-p (20μsec. div)	IC7701-13 PLAY 2.0Vp-p (20μsec. div)	IC7701-13 REC 2.0Vp-p (20μsec. div)
 PP3001-6 PLAY 7.0Vp-p (10msec. div)	 PP3002-2 PLAY/REC 7.0Vp-p (10msec. div)		

IMPORTANT SAFETY NOTICE :

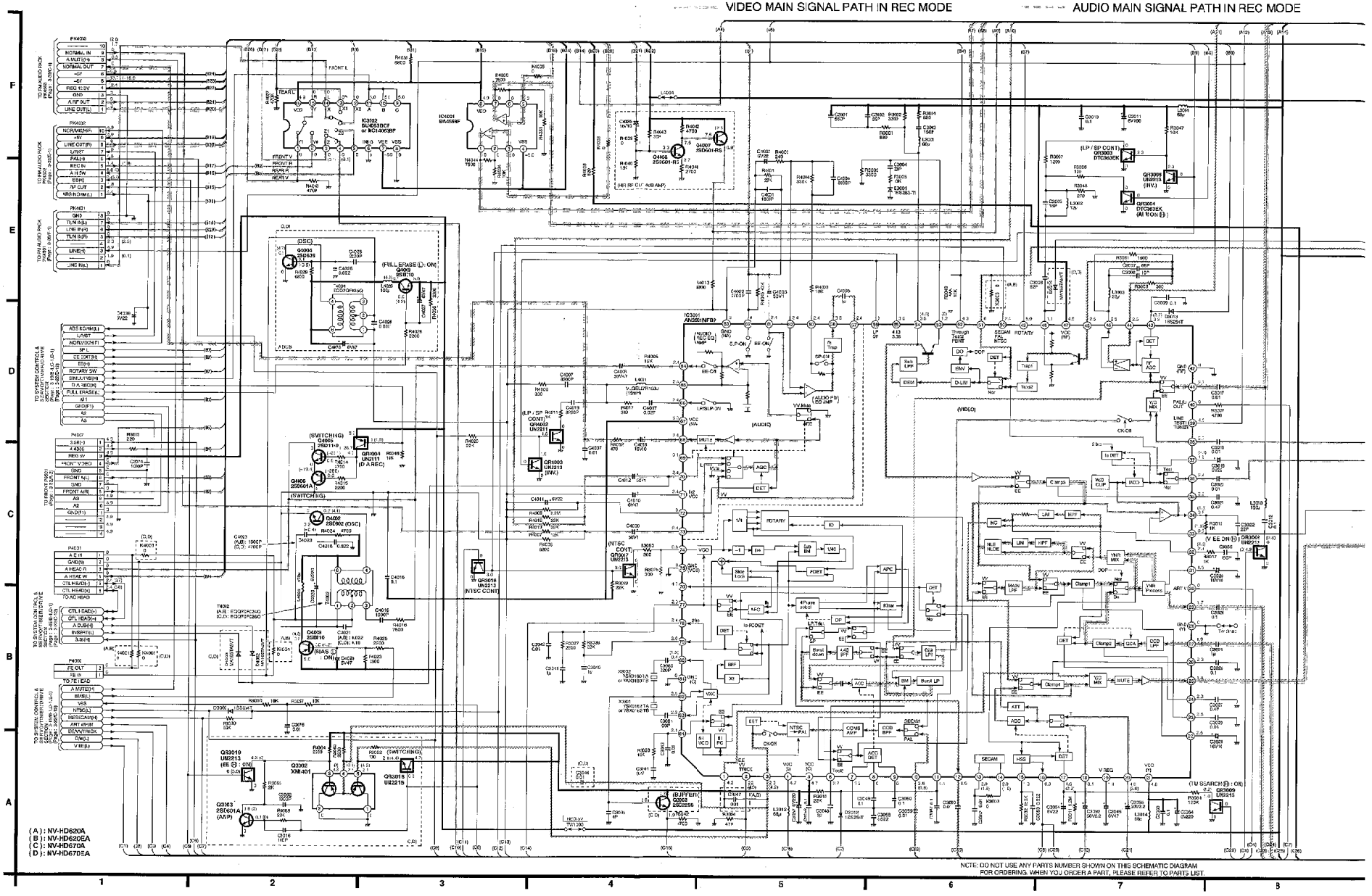
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

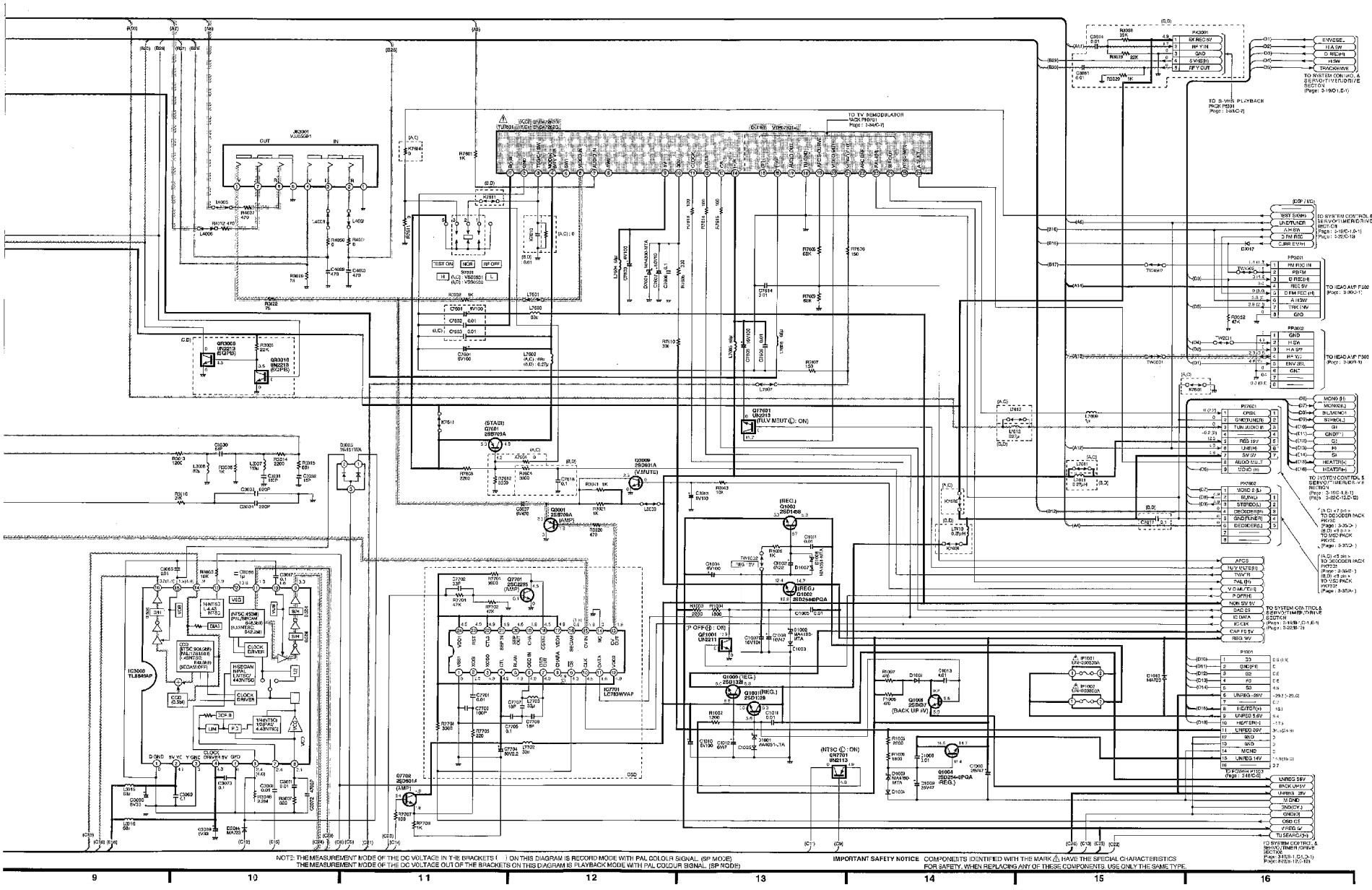
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-8. AUDIO / VIDEO SECTION IN MAIN SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE



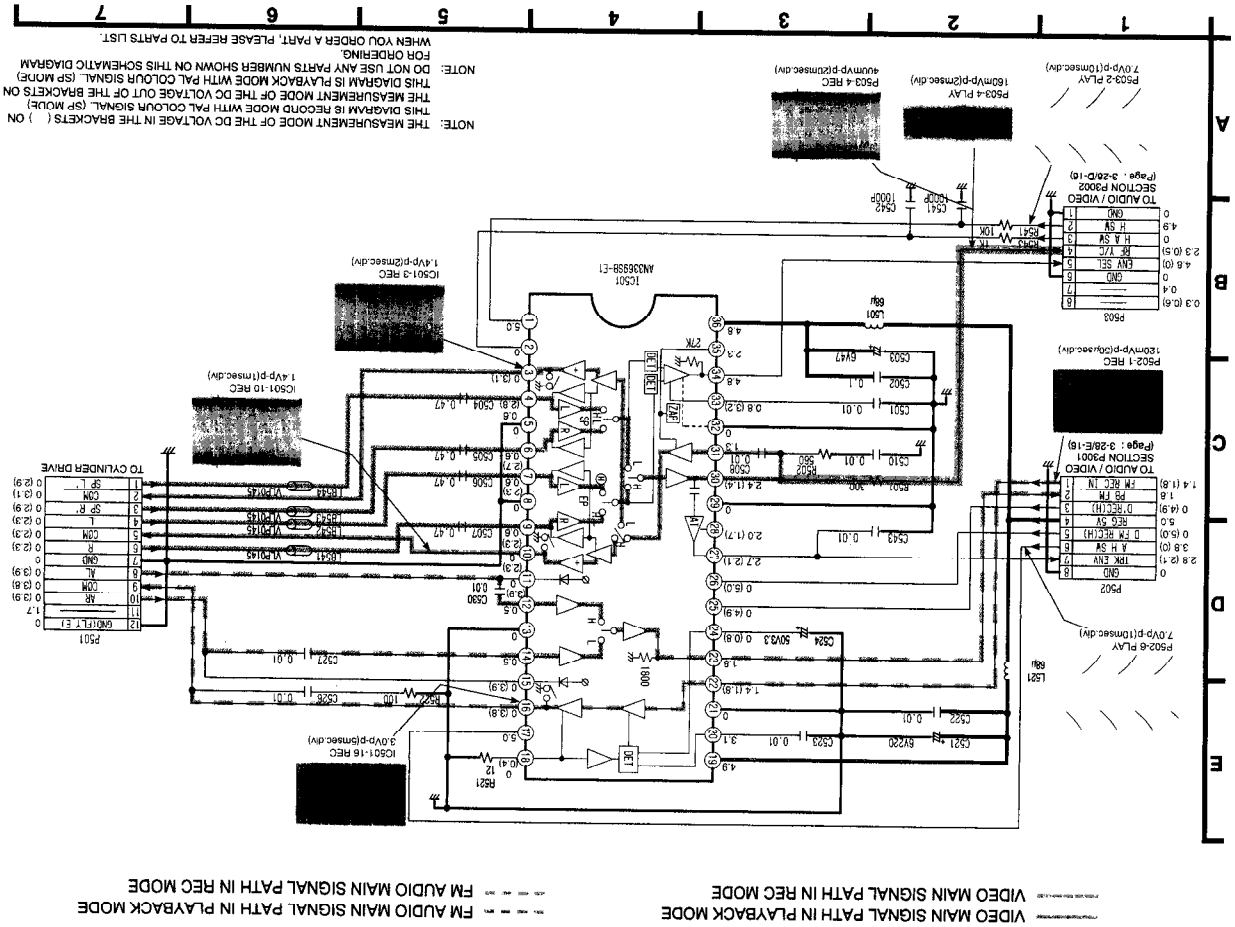


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOR SIGNAL. (SP MODE)

IMPORTANT SAFETY NOTICE COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

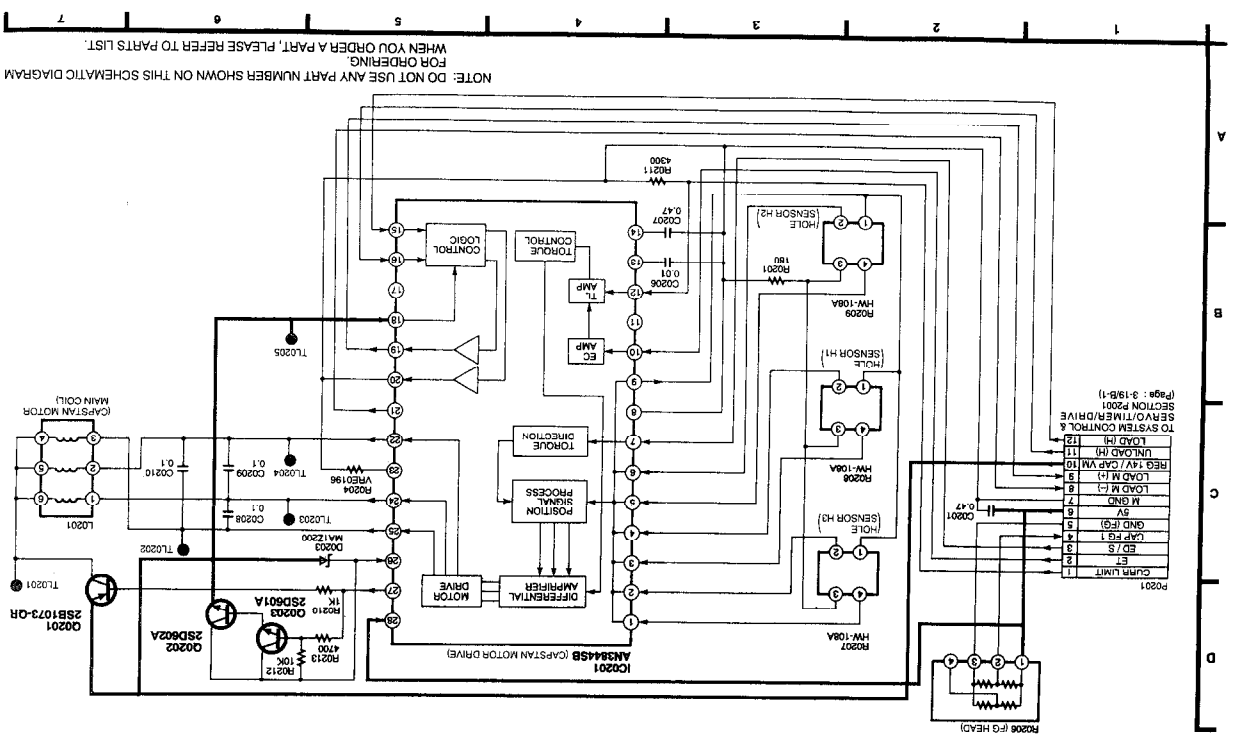
3-10. HEAD AMP SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)
DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

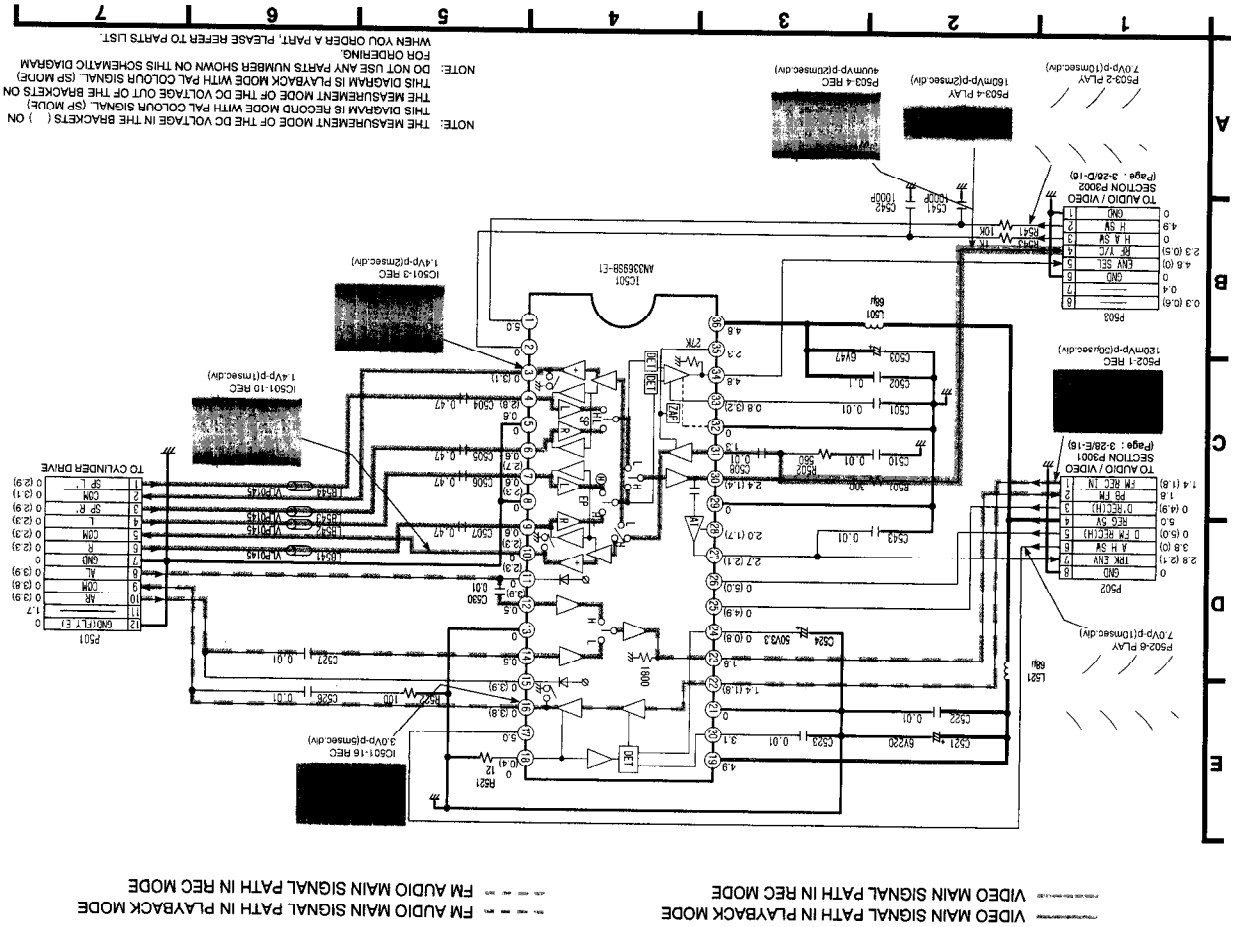
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
FM AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
FM AUDIO MAIN SIGNAL PATH IN REC MODE

3-9. CAPSTAN DRIVE UNIT SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

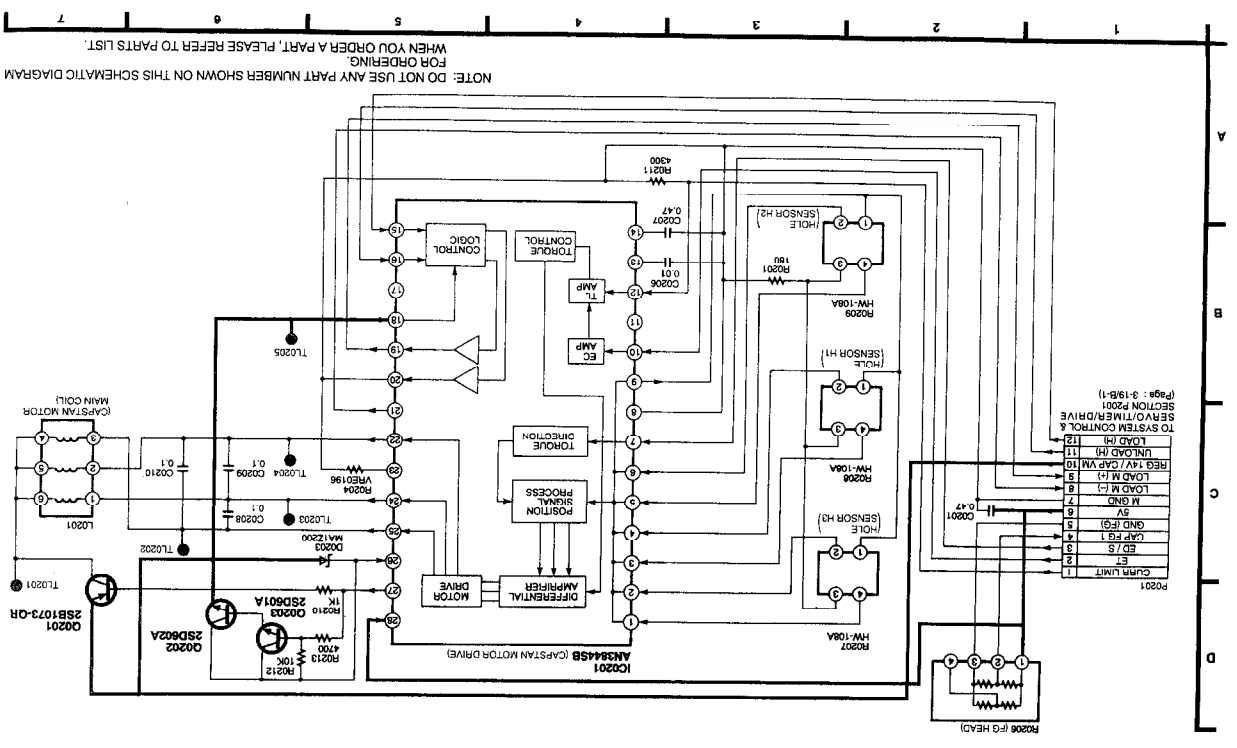
3-10. HEAD AMP SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)
DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

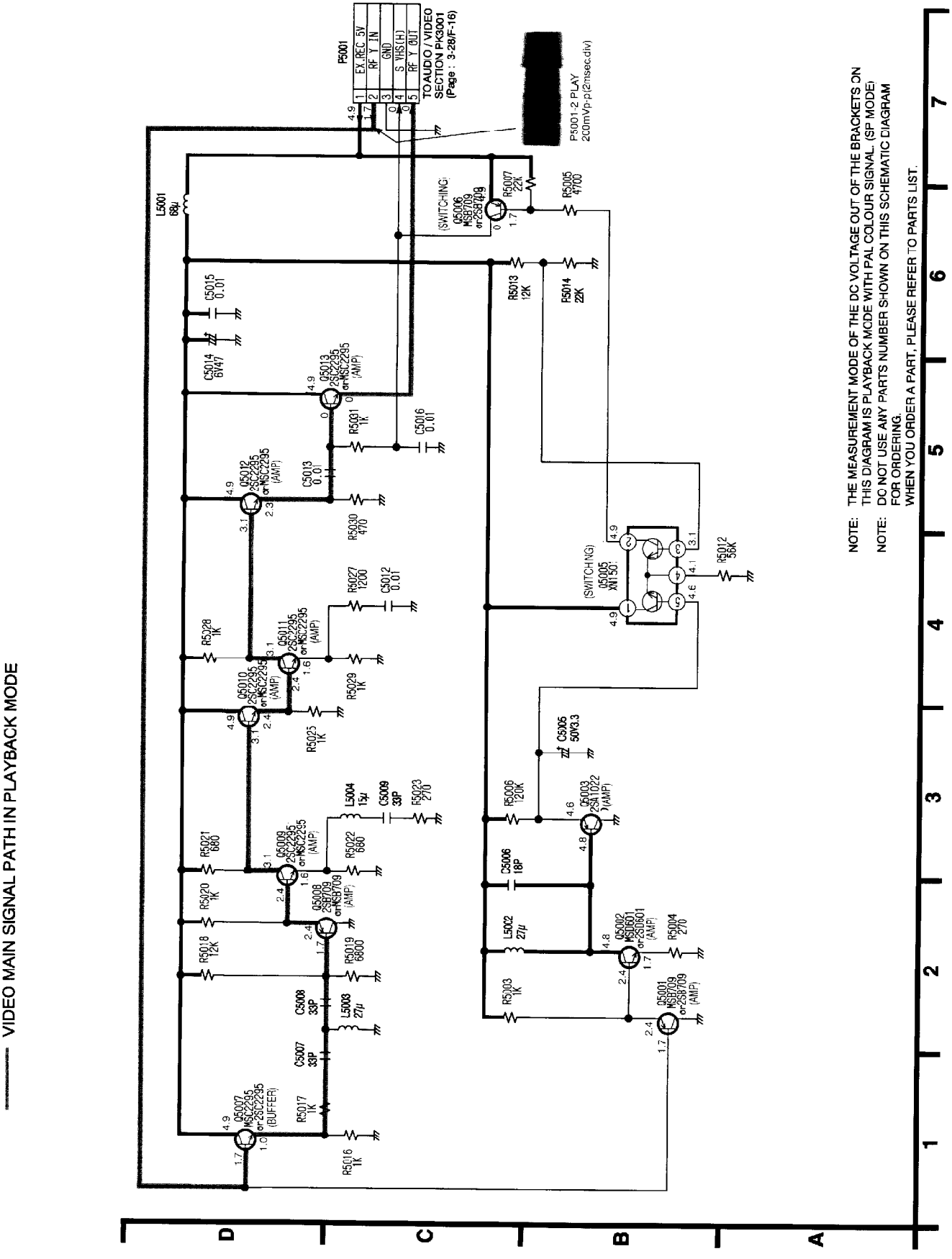
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
FM AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
FM AUDIO MAIN SIGNAL PATH IN REC MODE

3-9. CAPSTAN DRIVE UNIT SCHEMATIC DIAGRAM



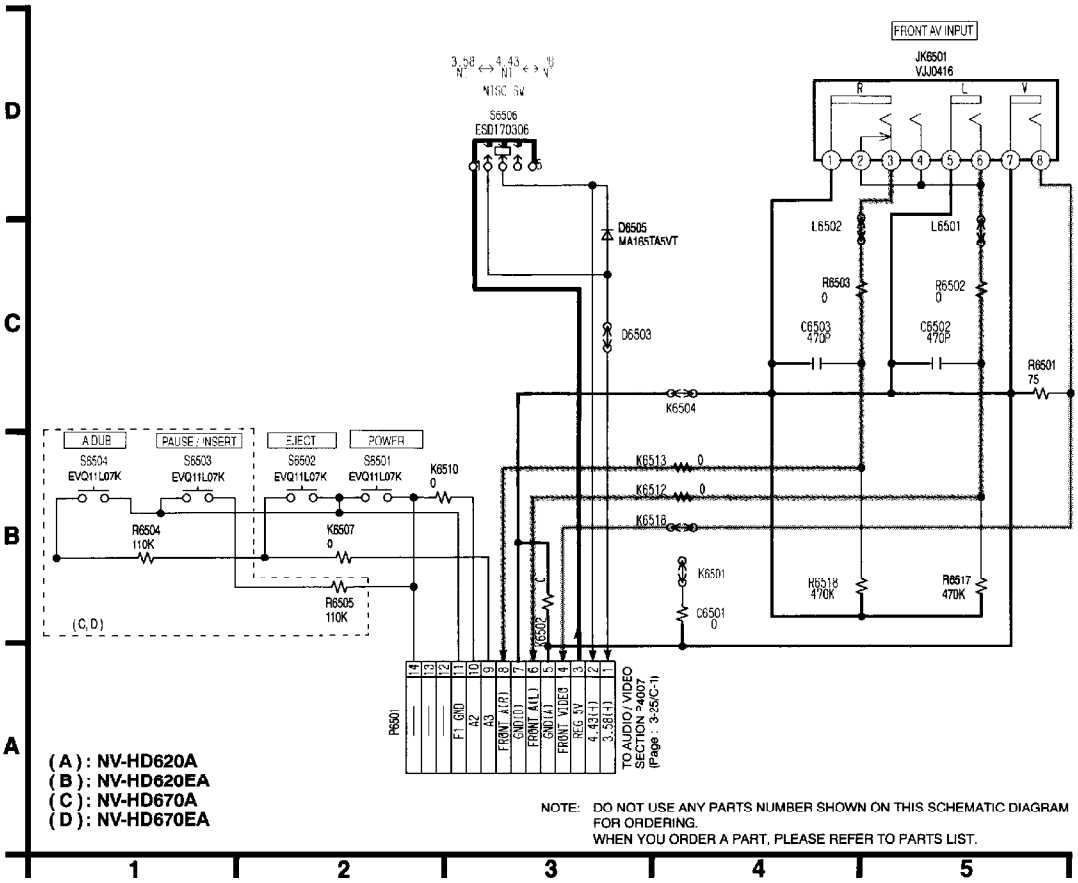
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-11. S-VHS PLAYBACK PACK SCHEMATIC DIAGRAM (NV-HD670A/ EA)

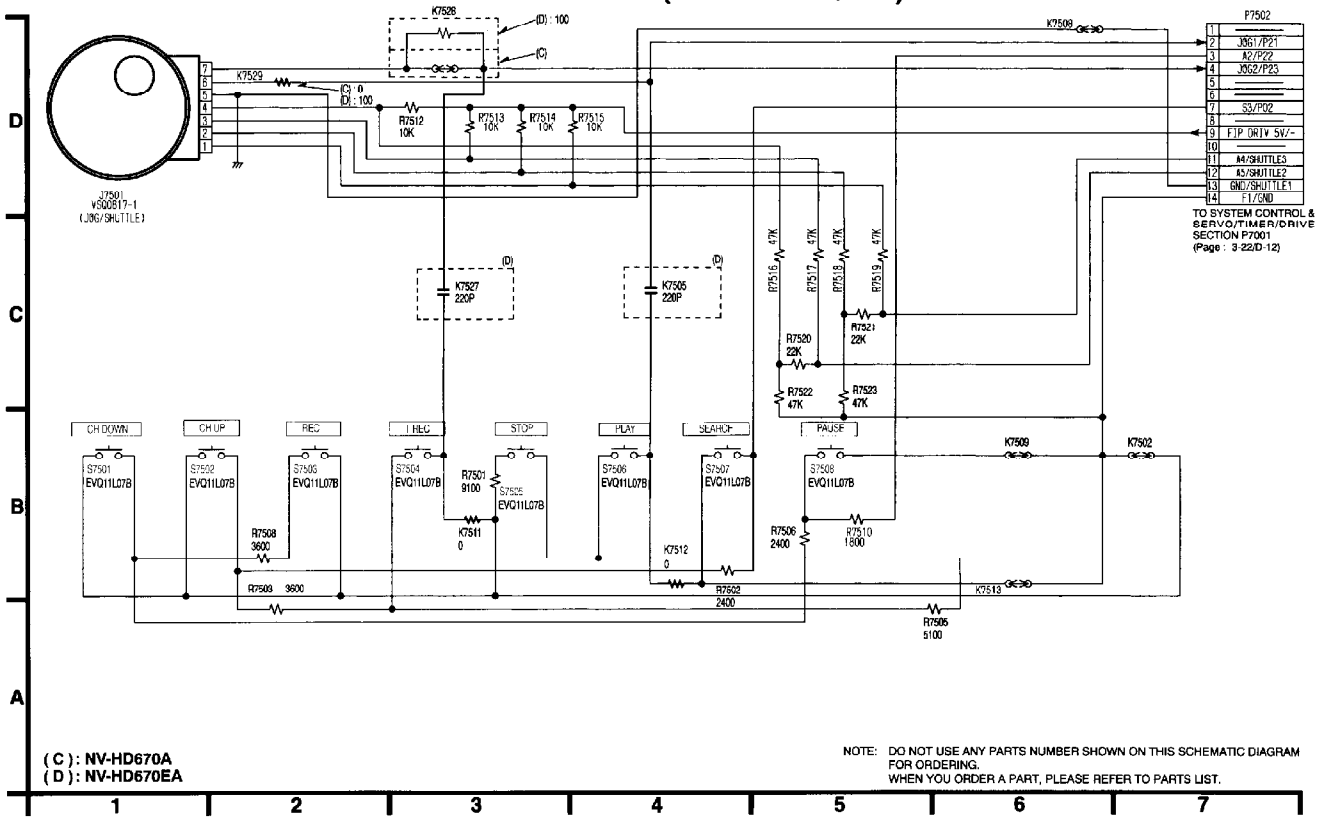


3-12. FRONT SCHEMATIC DIAGRAM

AUDIO MAIN SIGNAL PATH
VIDEO MAIN SIGNAL PATH

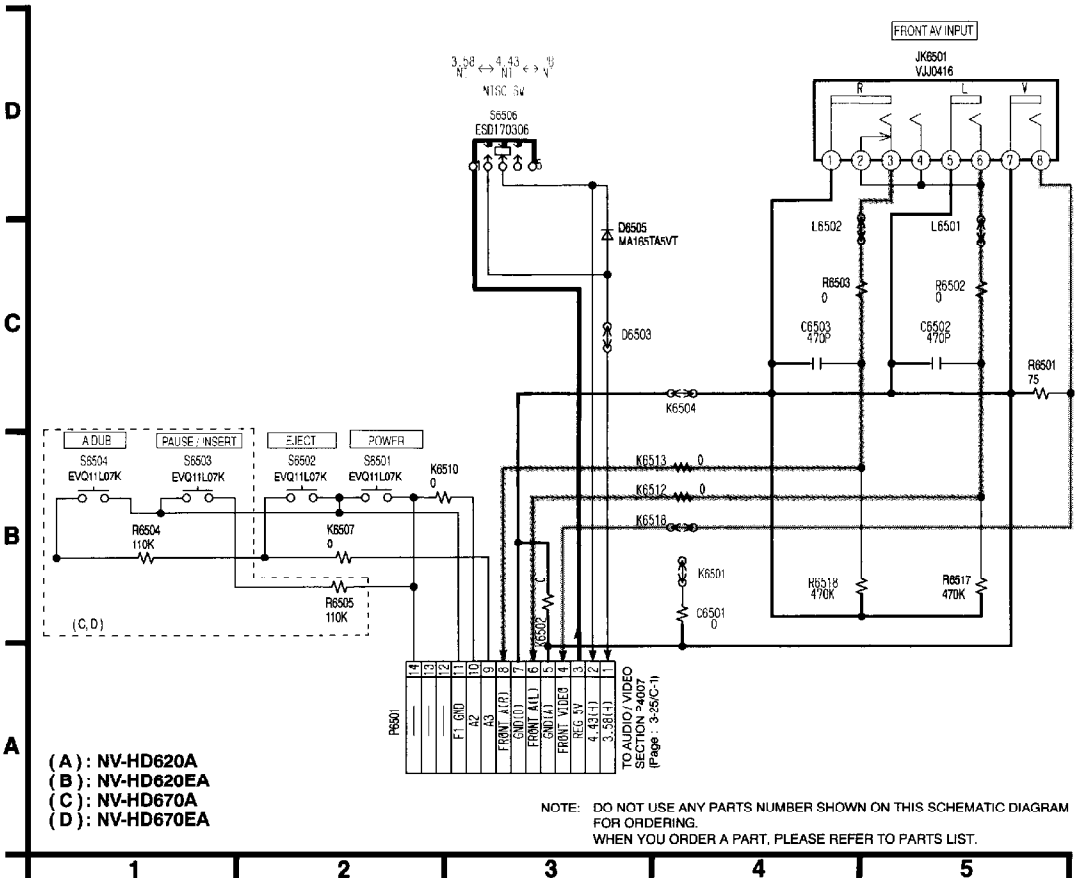


3-13. JOG SHUTTLE SCHEMATIC DIAGRAM (NV-HD670A/ EA)

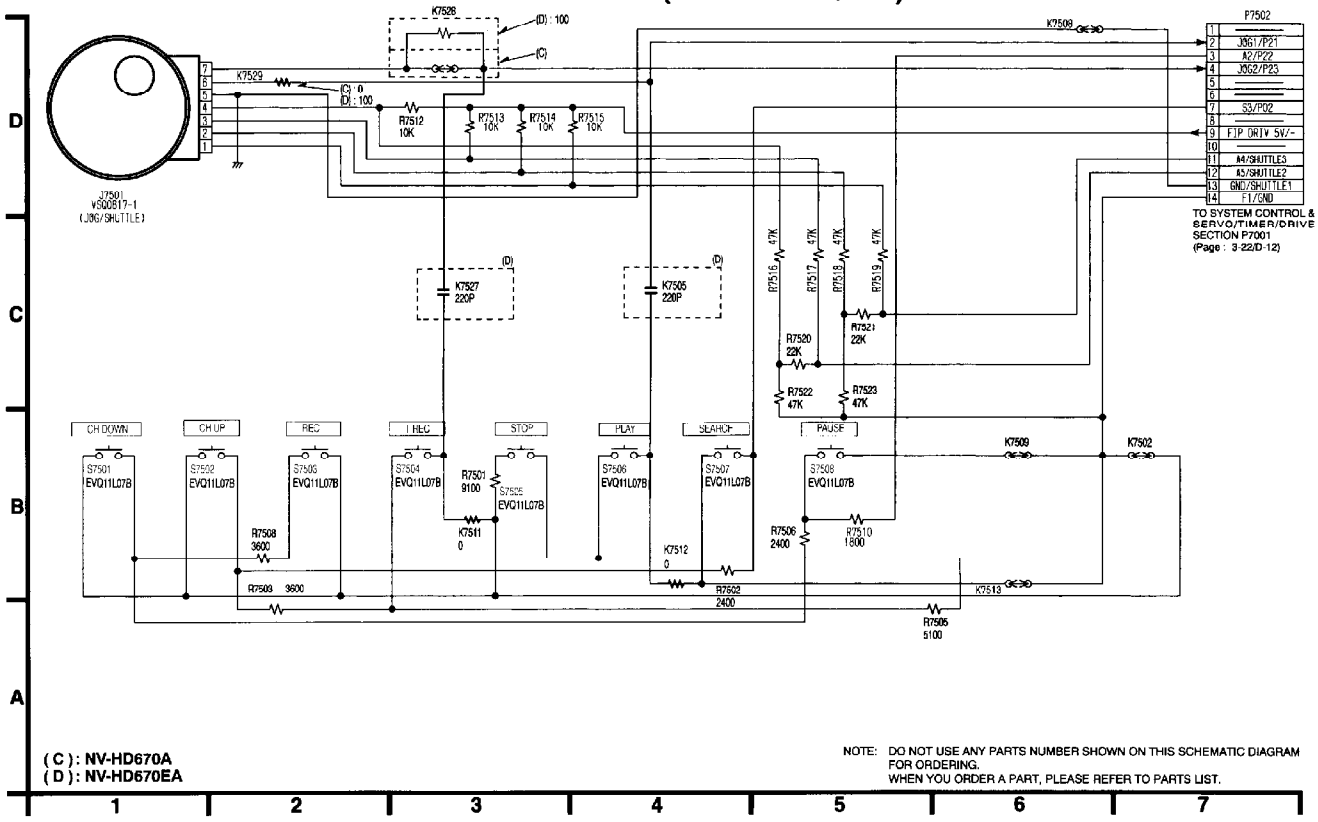


3-12. FRONT SCHEMATIC DIAGRAM

AUDIO MAIN SIGNAL PATH
VIDEO MAIN SIGNAL PATH



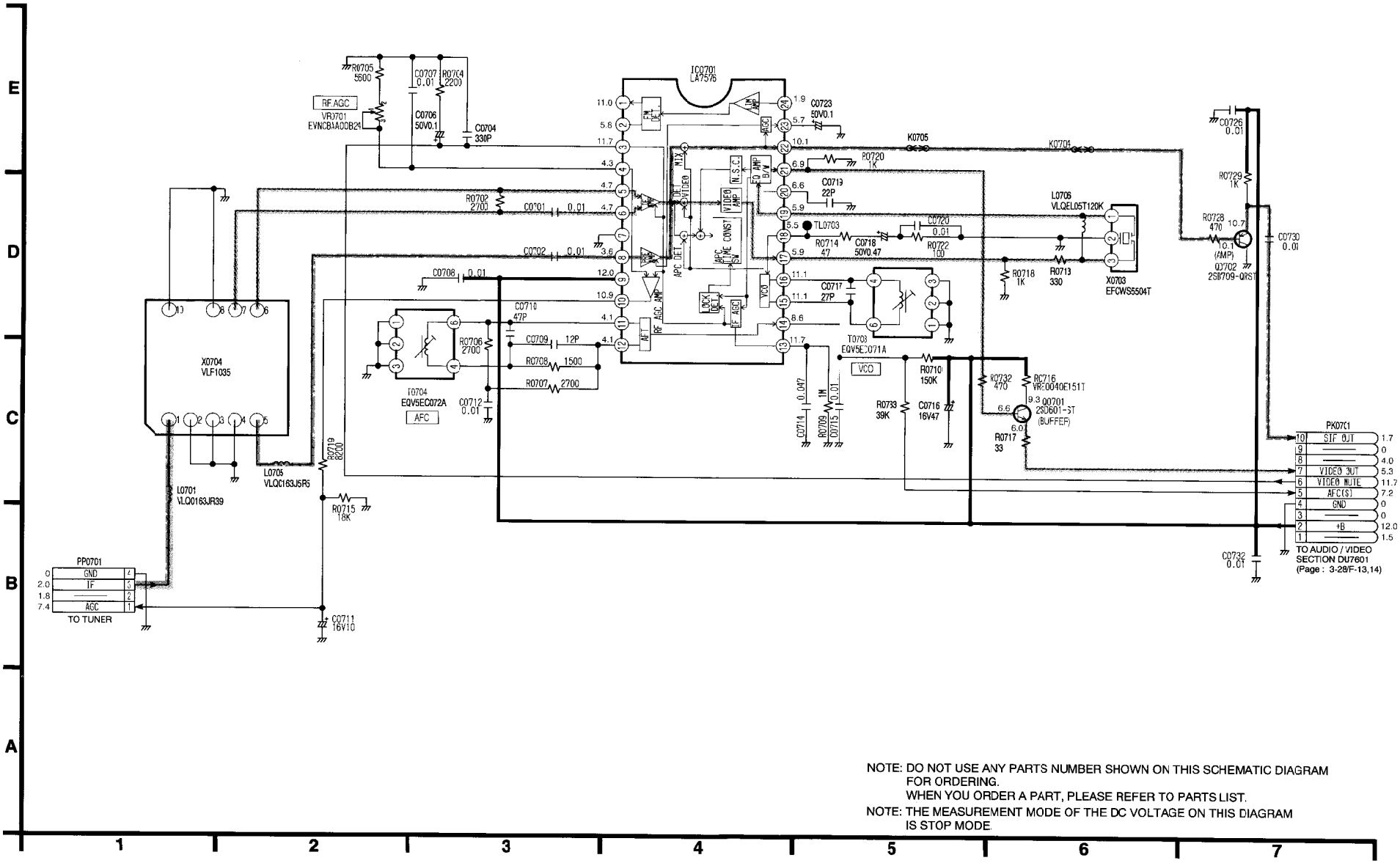
3-13. JOG SHUTTLE SCHEMATIC DIAGRAM (NV-HD670A/ EA)



3-14. TV DEMODULATOR PACK SCHEMATIC DIAGRAM

AUDIO MAIN SIGNAL PATH

VIDEO MAIN SIGNAL PATH



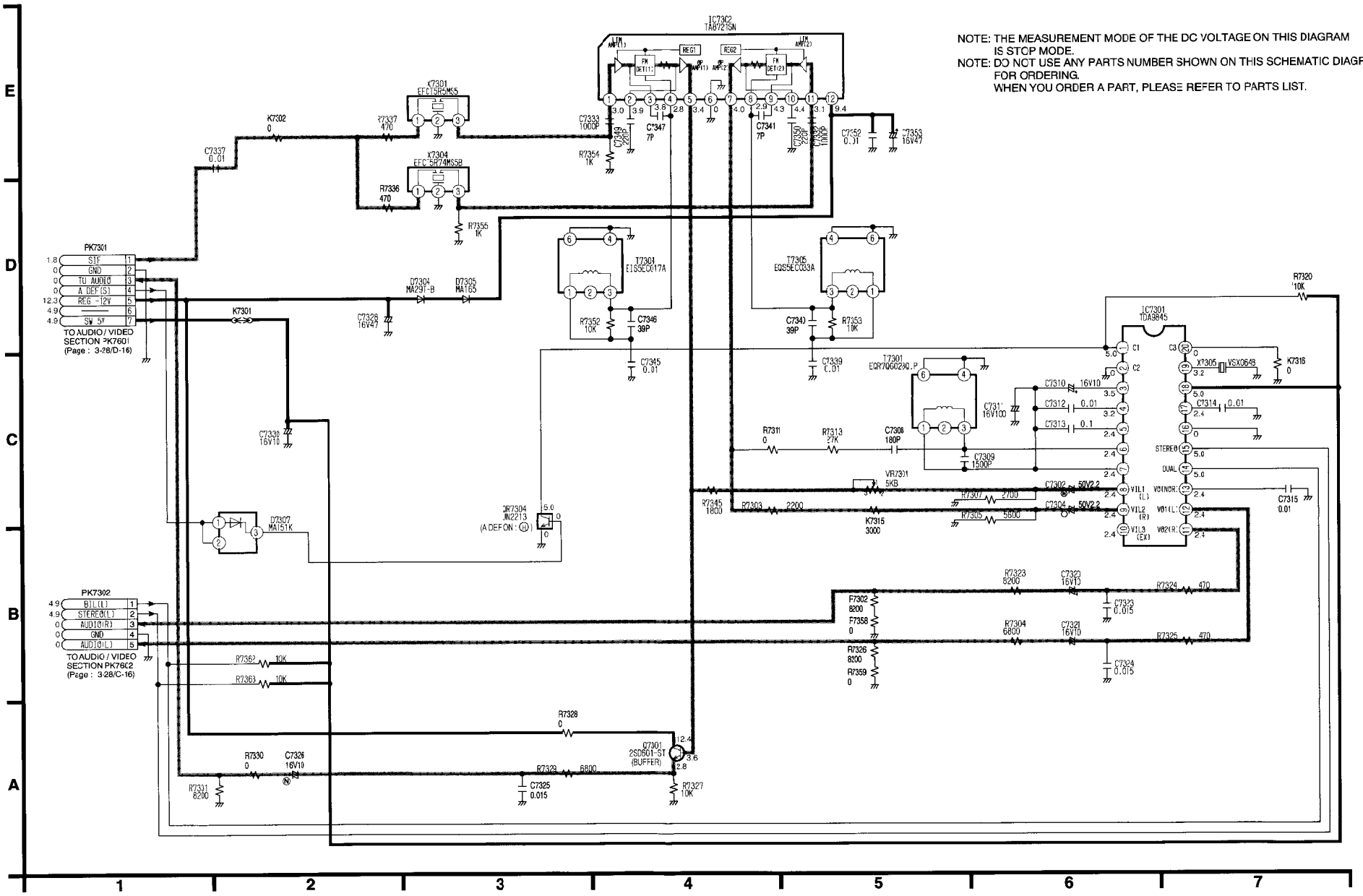
NOTE: DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-15. DECODER PACK SCHEMATIC DIAGRAM (NV-HD620A/ NV-HD670A)

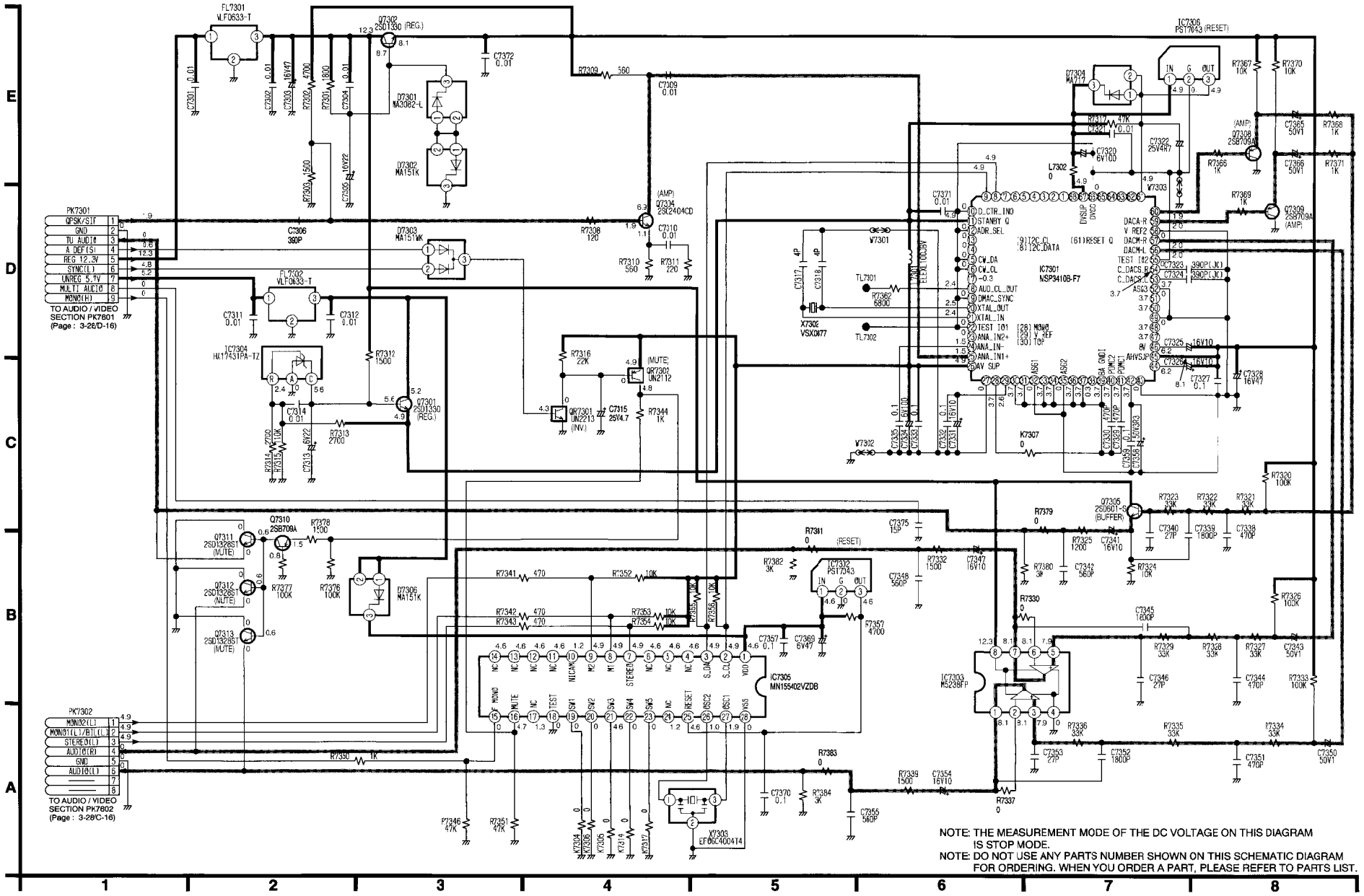
AUDIO MAIN SIGNAL PATH

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.
NOTE: DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.



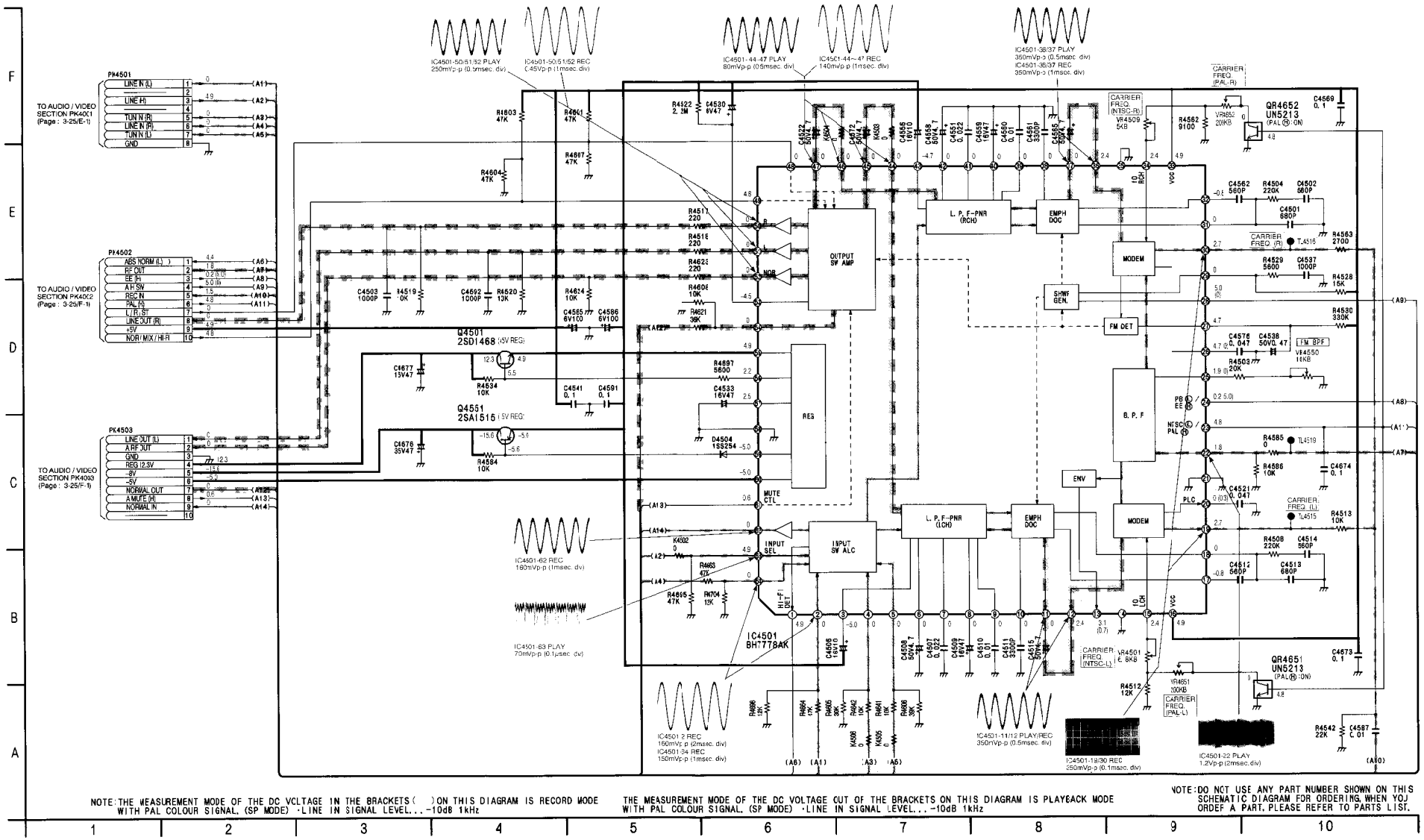
3-16. MSD PACK SCHEMATIC DIAGRAM (NV-HD620EA/ NV-HD670EA)

AUDIO MAIN SIGNAL PATH



3-17. FM AUDIO PACK SCHEMATIC DIAGRAM

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE

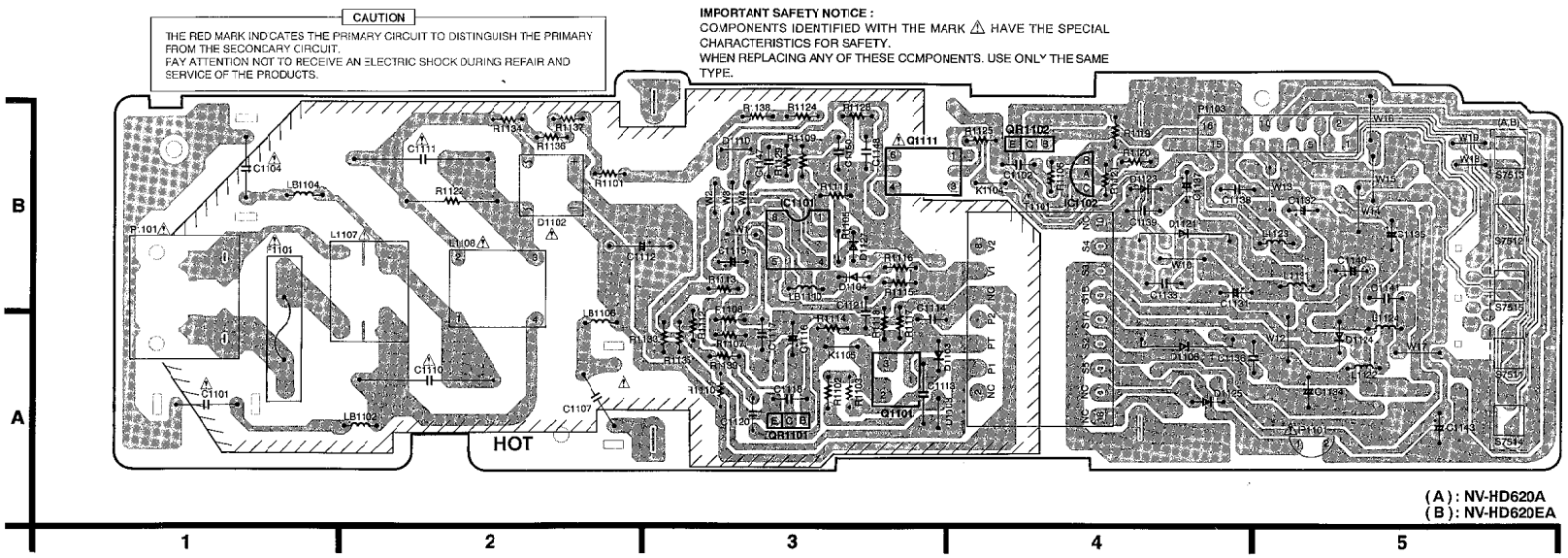


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE) ·LINE IN SIGNAL LEVEL... -10dB 1kHz

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE) ·LINE IN SIGNAL LEVEL... -10dB 1kHz

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

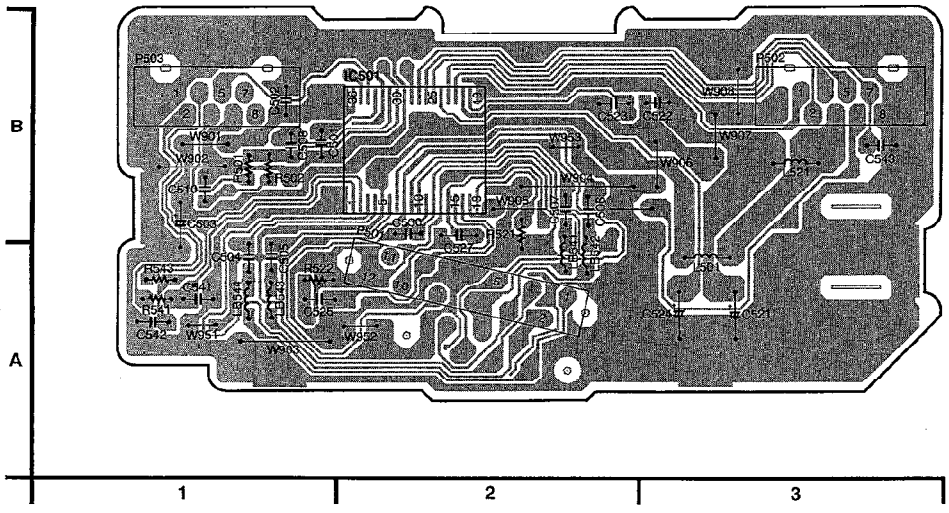
3-18. POWER C.B.A. (VEP01768N : NV-HD620A/ EA) (VEP01768K : NV-HD670A/ EA)



POWER C. B. A.	
Transistor	
Q1101 Q1111	A-3 B-3
Transistor & Resistor	
QR1101 QR1102	A-3 B-4
Integrated Circuit	
IC1101 IC1102	B-3 B-4
Connector	
P1101 P1103	B-1 B-4

ADDRESS INFORMATION

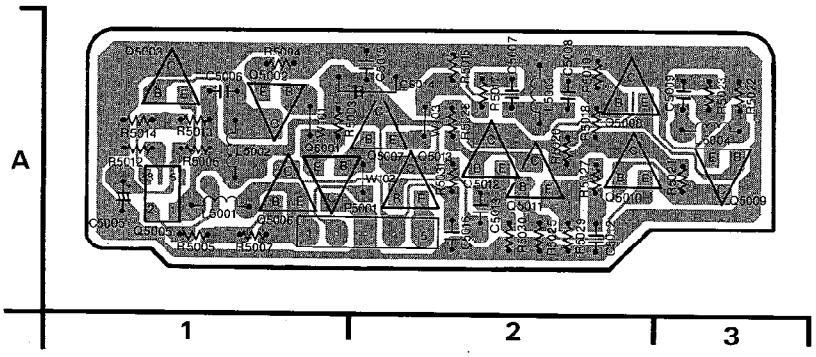
3-19. HEAD AMP C.B.A. (VEP05353A)



HEAD AMP C.B.A.	
Integrated Circuit	
IC501	B-2
Connector	
P501 P502 P503	A-2 B-3 B-1

ADDRESS INFORMATION

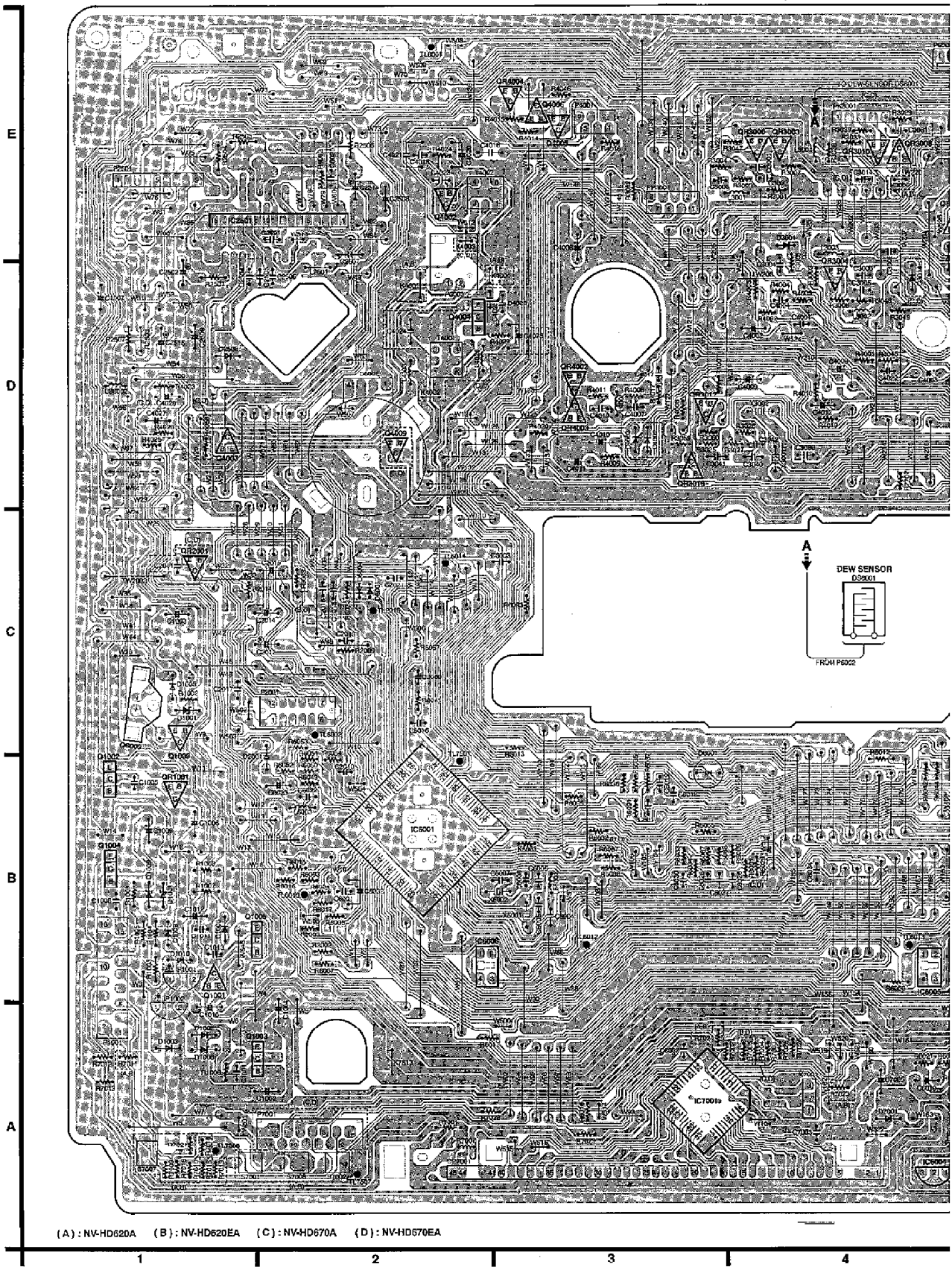
3-20. S-VHS PLAYBACK PACK C.B.A. (VEP03A03B : NV-HD670A/ EA)



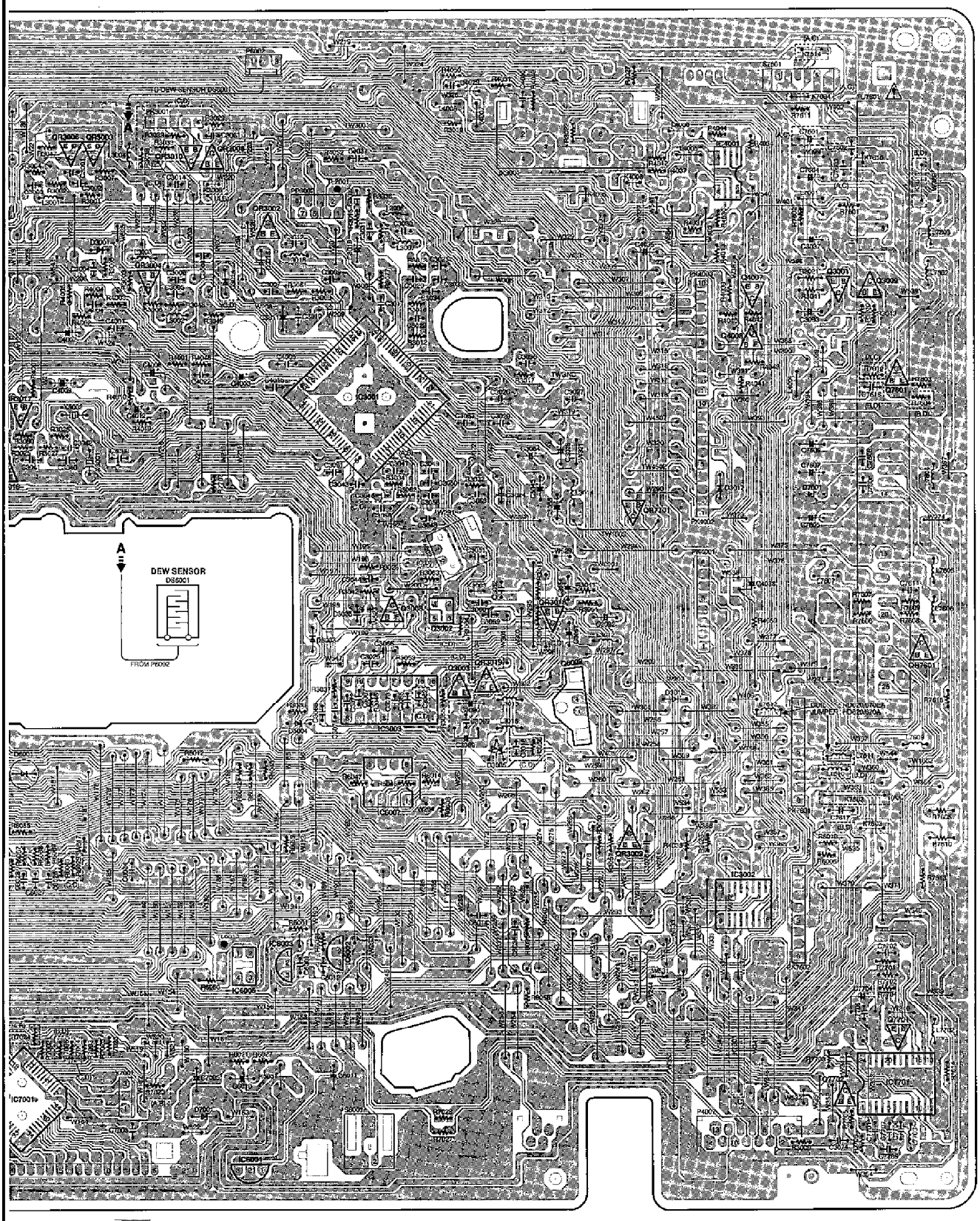
S-VHS PLAYBACK PACK C. B. A.	
Transistor	
Q5001	A-1
Q5002	A-1
Q5003	A-1
Q5005	A-1
Q5006	A-1
Q5007	A-2
Q5008	A-2
Q5009	A-3
Q5010	A-2
Q5011	A-2
Q5012	A-2
Q5013	A-2
Connector	
P5001	A-2

ADDRESS INFORMATION

3-21. MAIN C.B.A. (VEP06C05A : NV-HD620A) (VEP06C05B : NV-HD620EA) (VEP06C05G : NV-HD670A) (VEP06C05H : N



NV-HD670A) (VEP06C05H : NV-HD670EA)



MAIN C.B.A.

Transistor

Q1001	B-1
Q1002	B-1
Q1003	A-1
Q1004	B-1
Q1005	B-1
Q1009	C-1
Q3001	D-7
Q3002	C-5
Q3003	C-5
Q3008	C-5
Q3009	D-7
Q4002	E-2
Q4003	D-1
Q4004	D-2
Q4005	E-3
Q4006	E-3
Q4007	D-7
Q4008	D-7
Q4009	D-2
Q6002	C-6
Q6003	C-1
Q7601	D-7
Q7701	A-7
Q7702	A-7

Transistor & Resistor

QR1001	B-1
QR2001	C-1
QR3002	E-4
QR3003	E-4
QR3004	D-4
QR3006	E-4
QR3008	E-4
QR3009	B-6
QR3010	E-4
QR3016	D-3
QR3017	D-3
QR3018	C-6
QR3019	C-5
QR4002	D-3
QR4003	D-3
QR4004	E-3
QR7601	C-7
QR7701	D-6

Integrated Circuit

IC2501	E-1
IC3001	D-5
IC3002	B-7
IC3003	C-5
IC4001	E-6
IC6001	B-2
IC6002	B-5
IC6003	B-5
IC6005	B-4
IC6006	B-2
IC6007	B-5
IC7001	A-3
IC7701	A-7

Test Land

TL2001	E-5
TL2015	C-2
TL6001	E-2
TL6002	C-2
TL6012	B-3
TL6010	B-2
TL6013	B-4
TL6014	C-2
TL7501	B-2
TL7506	A-1
TL7507	A-2

Test Wire

TW1002	B-7
TW1003	C-6
TW2001	C-6
TW2002	C-1
TW3001	E-5
TW4502	D-6
TW4507	D-6
TWGND	D-6

Connector

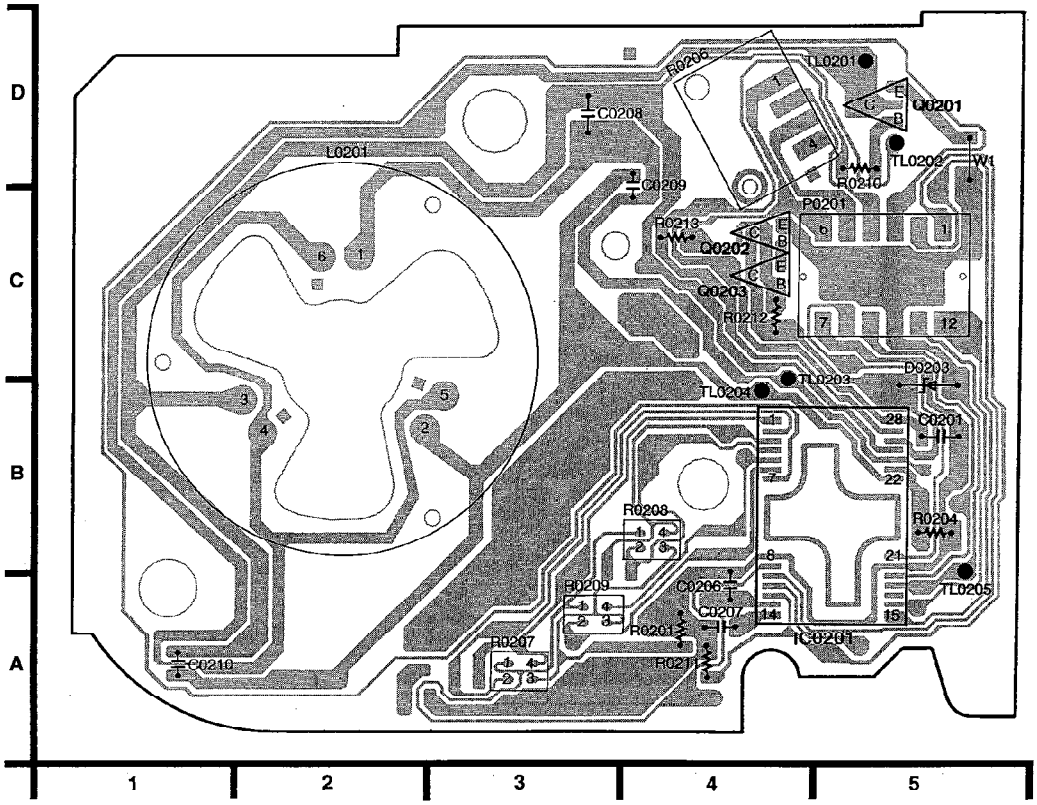
P1001	A-1
P2001	C-2
P2501	E-1
P4001	E-3
P4002	C-5
P4007	A-6
P6003	D-2
P7001	A-2
PK3001	E-4
PK4001	C-6
PK4002	D-6
PK4003	D-6
PK7601	B-7
PK7602	B-7
PP3001	E-3
PP3002	E-5

ADDRESS INFORMATION

MAIN C.B.A.							
Transistor		Transistor & Resistor		IC4001	E-6	TW1003	C-6
				IC6001	B-2	TW2001	C-6
Q1001	B-1	QR1001	B-1	IC6002	B-5	TW2002	C-1
Q1002	B-1	QR2001	C-1	IC6003	B-5	TW3001	E-5
Q1003	A-1	QR3002	E-4	IC6005	B-4	TW4502	D-6
Q1004	B-1	QR3003	E-4	IC6006	B-2	TW4507	D-6
Q1005	B-1	QR3004	D-4	IC6007	B-5	TWGND	D-6
Q1009	C-1	QR3006	E-4	IC7001	A-3		
Q3001	D-7	QR3008	E-4	IC7701	A-7	Connector	
Q3002	C-5	QR3009	B-6				
Q3003	C-5	QR3010	E-4	Test Land		P1001	A-1
Q3008	C-5	QR3016	D-3			P2001	C-2
Q3009	D-7	QR3017	D-3	TL2001	E-5	P2501	E-1
Q4002	E-2	QR3018	C-6	TL2015	C-2	P4001	E-3
Q4003	D-1	QR3019	C-5	TL6001	E-2	P4002	C-5
Q4004	D-2	QR4002	D-3	TL6002	C-2	P4007	A-6
Q4005	E-3	QR4003	D-3	TL6012	B-3	P6003	D-2
Q4006	E-3	QR4004	E-3	TL6010	B-2	P7001	A-2
Q4007	D-7	QR7601	C-7	TL6013	B-4	PK3001	E-4
Q4008	D-7	QR7701	D-6	TL6014	C-2	PK4001	C-6
Q4009	D-2			TL7501	B-2	PK4002	D-6
Q6002	C-6	Integrated Circuit		TL7506	A-1	PK4003	D-6
Q6003	C-1			TL7507	A-2	PK7601	B-7
Q7601	D-7	IC2501	E-1			PK7602	B-7
Q7701	A-7	IC3001	D-5	Test Wire		PP3001	E-3
Q7702	A-7	IC3002	B-7			PP3002	E-5
		IC3003	C-5	TW1002	B-7		

ADDRESS INFORMATION

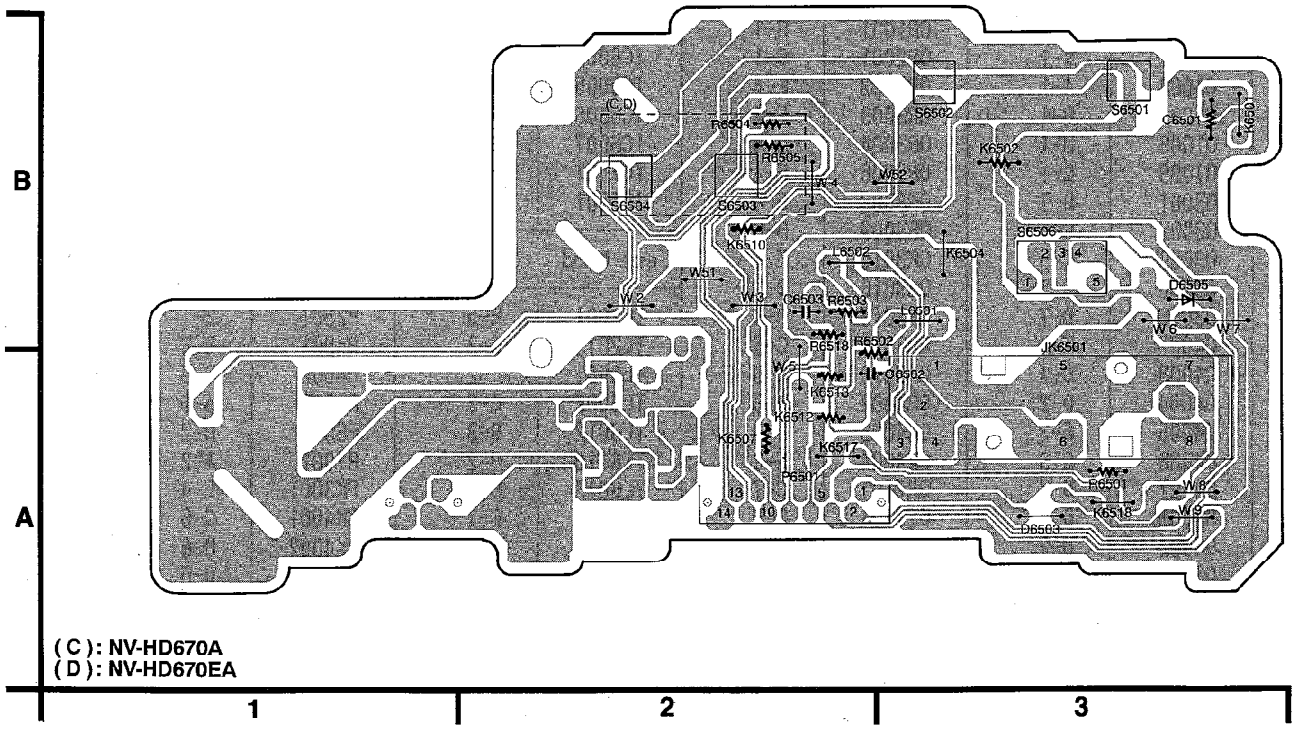
3-22. CAPSTAN DRIVE UNIT C.B.A. (VEP02553A)



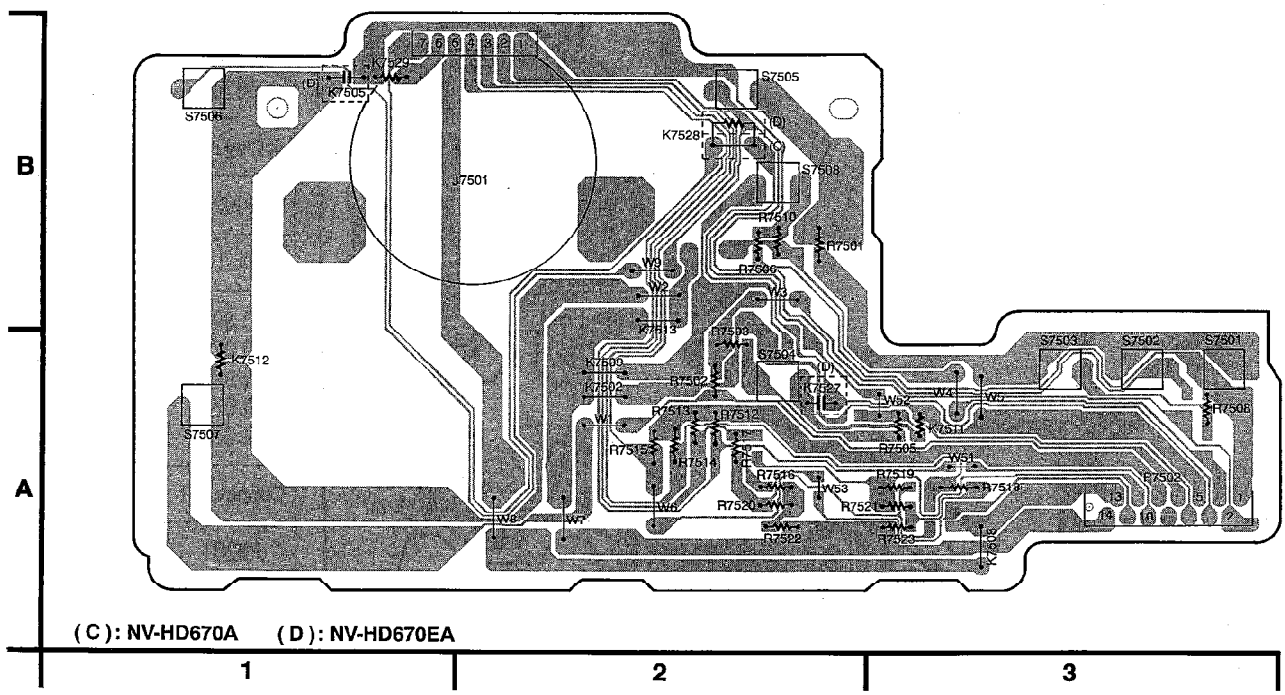
CAPSTAN DRIVE C.B.A.	
Transistor	
Q0201	D-5
Q0202	C-4
Q0203	C-4
Integrated Circuit	
IC0201	B-5
Test Land	
TL0201	D-5
TL0202	D-5
TL0203	B-4
TL0204	B-4
TL0205	A-5
Connector	
P0201	C-5

ADDRESS INFORMATION

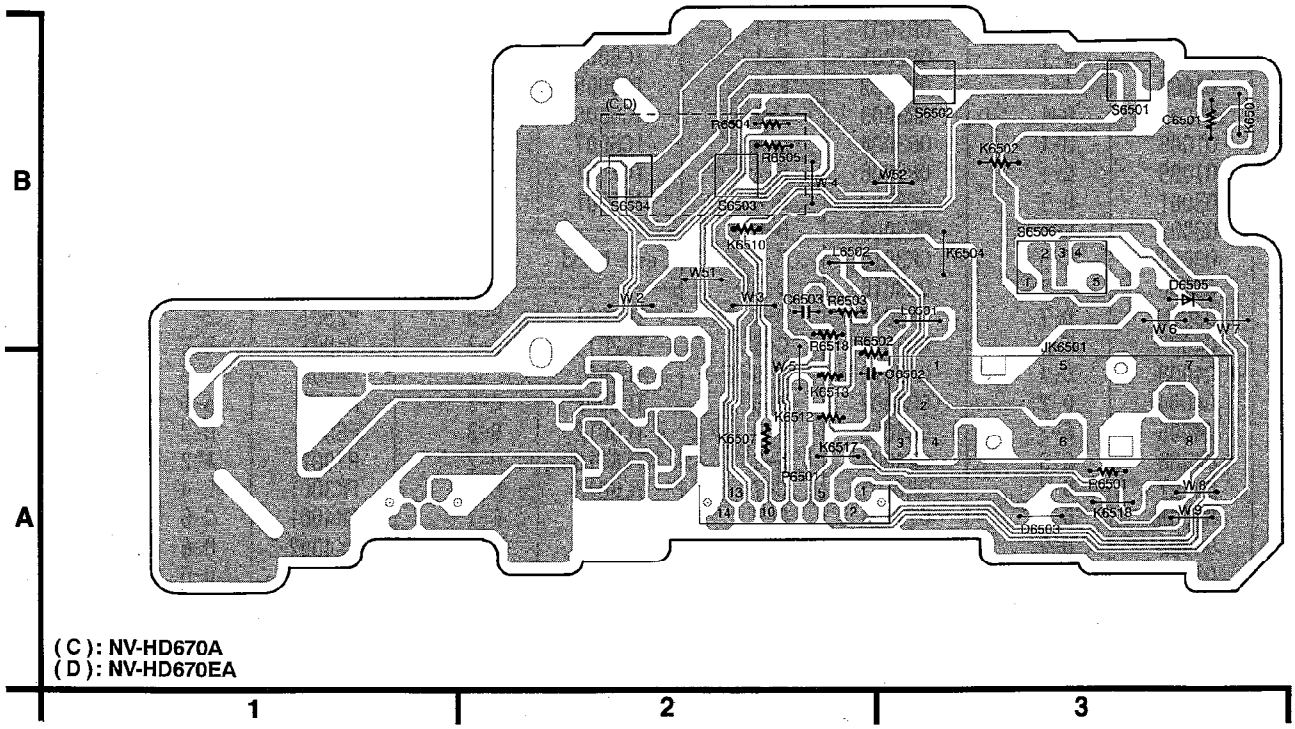
3-23. FRONT C.B.A. (VEP06B92A : NV-HD620A/ EA) (VEP06B92B : NV-HD670A/ EA)



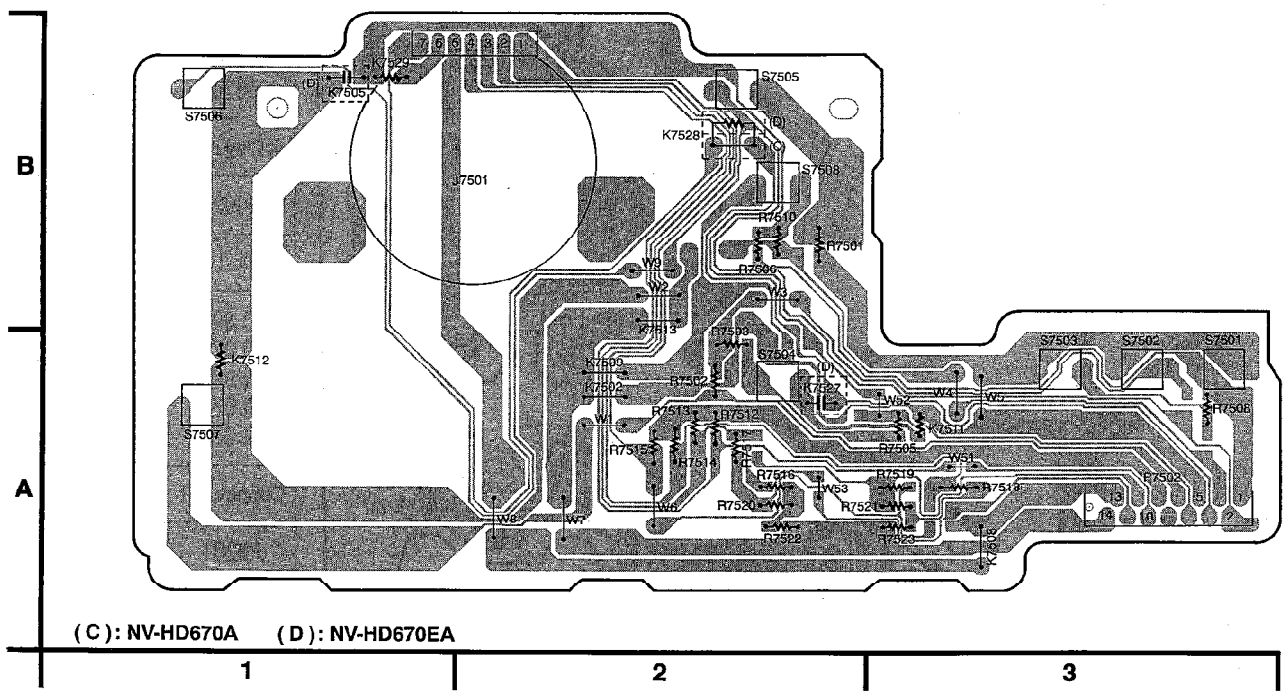
3-24. JOG SHUTTLE C.B.A. (VEP07947A : NV-HD670A) (VEP07947C : NV-HD670EA)



3-23. FRONT C.B.A. (VEP06B92A : NV-HD620A/ EA) (VEP06B92B : NV-HD670A/ EA)



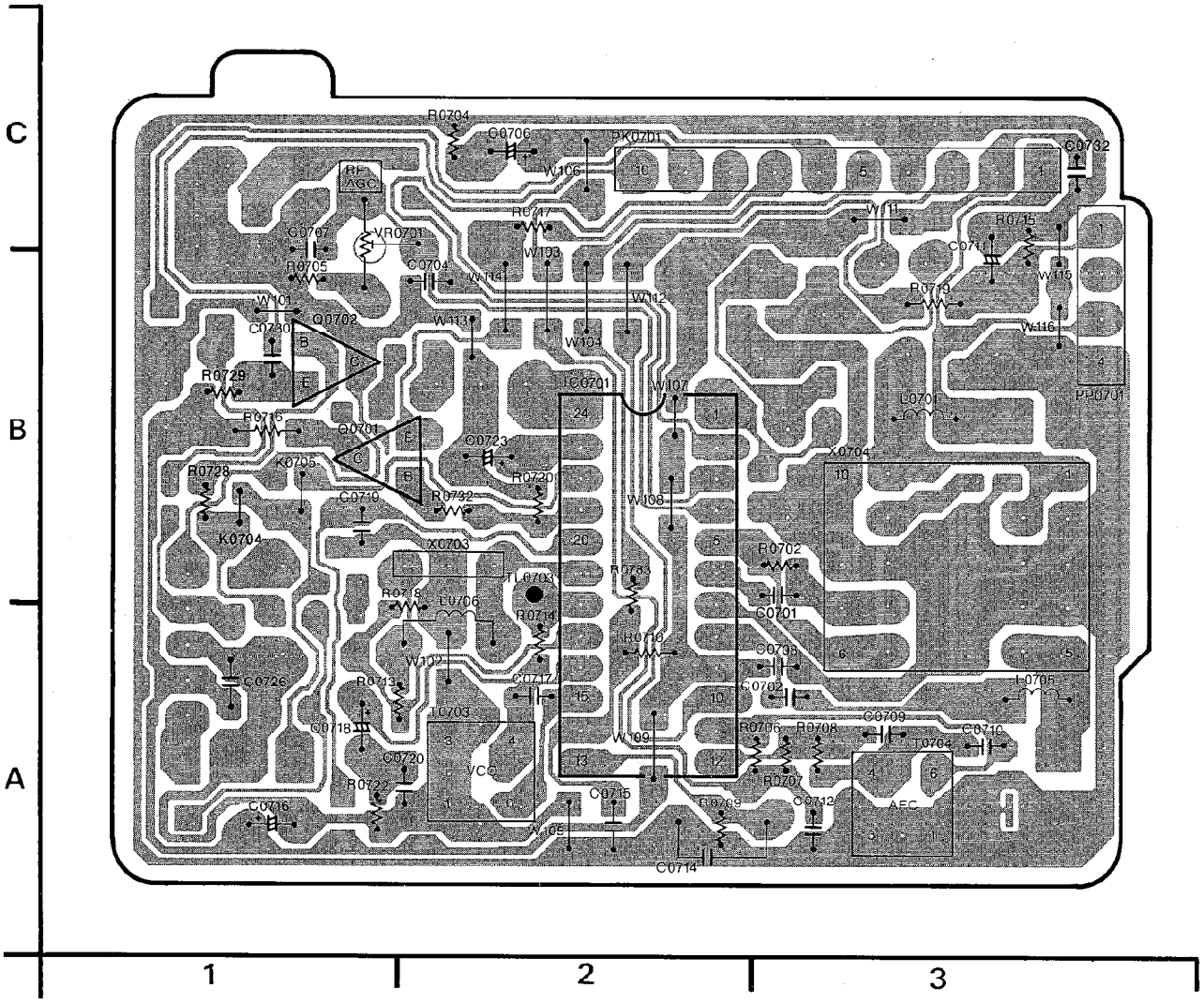
3-24. JOG SHUTTLE C.B.A. (VEP07947A : NV-HD670A) (VEP07947C : NV-HD670EA)



3-25. TV DEMODULATOR PACK C.B.A. (VEP07801AL)

TV DEMODULATOR PACK C.B.A.			
Transistor		Adjustment	
Q0701	B-1	T0703	A-2
Q0702	B-1	T0704	A-3
		VR0701	C-1
Integrated Circuit		Connector	
IC0701	B-2		
		PK0701	C-2
Test Land		PP0701	B-3
TL0703	B-2		

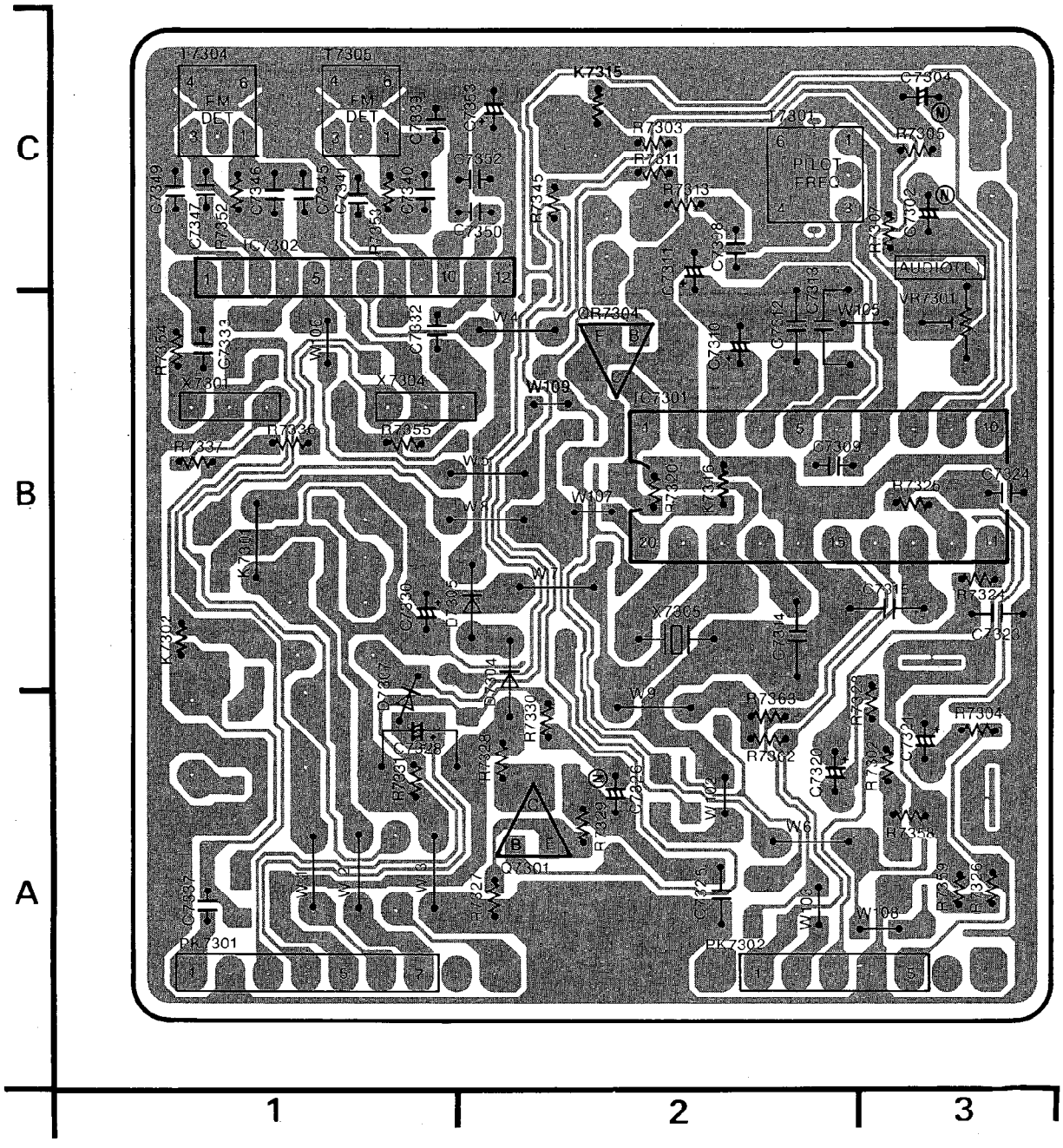
ADDRESS INFORMATION



3-26. DECODER PACK C.B.A. (VEP07784G : NV-HD620A/ NV-HD670A)

DECODER PACK C.B.A.					
Transistor		Integrated Circuit		T7301 T7304 TL7305	C-2 C-1 C-1
Q7301	A-2	IC7301 IC7302	B-2 C-1		
Transistor & Resistor		Adjustment		Connector	
QR7304	B-2	VR7301	B-3	PK7301 PK7302	A-1 A-2

ADDRESS INFORMATION

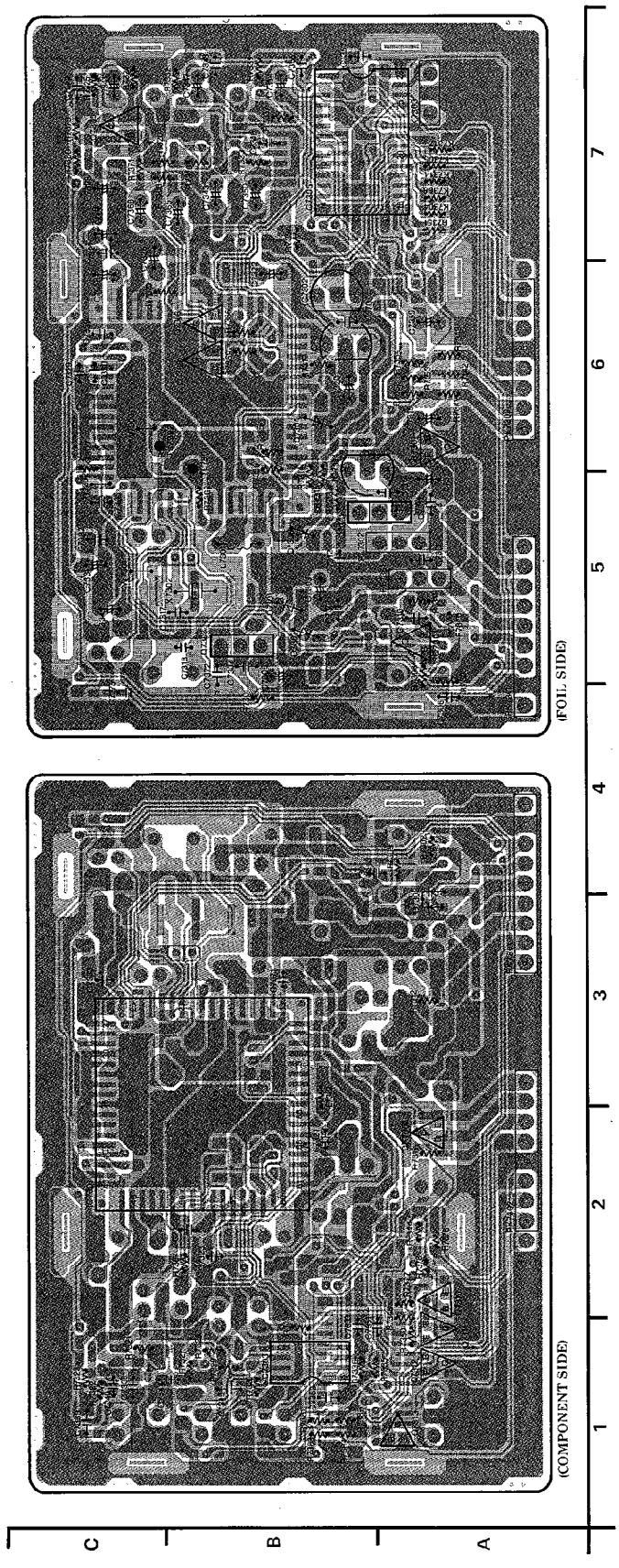


3-27. MSD PACK C.B.A. (VEP07787S : NV-HD620EA/ NV-HD670EA)

MSD PACK C. B. A.

Transistor		Transistor & Resistor		Test Land	
Q7301	B-5 (F)	QR7301	A-6 (F)	TL7301	B-6 (F)
Q7302	B-5 (F)	QR7302	A-2 (C)	TL7302	C-6 (F)
Q7304	A-5 (F)	Integrated Circuit		Connector	
Q7305	C-7 (F)				
Q7308	B-6 (F)	IC7301	C-2 (C)	PK7301	A-3 (C)
Q7309	B-6 (F)	IC7302	B-6 (F)	PK7301	A-4 (F)
Q7310	A-2 (C)	IC7303	B-1 (C)	PK7302	A-2 (C)
Q7311	A-1 (C)	IC7304	B-5 (F)	PK7302	A-6 (F)
Q7312	A-1 (C)	IC7305	B-7 (F)		
Q7313	A-1 (C)	IC7306	B-6 (F)		

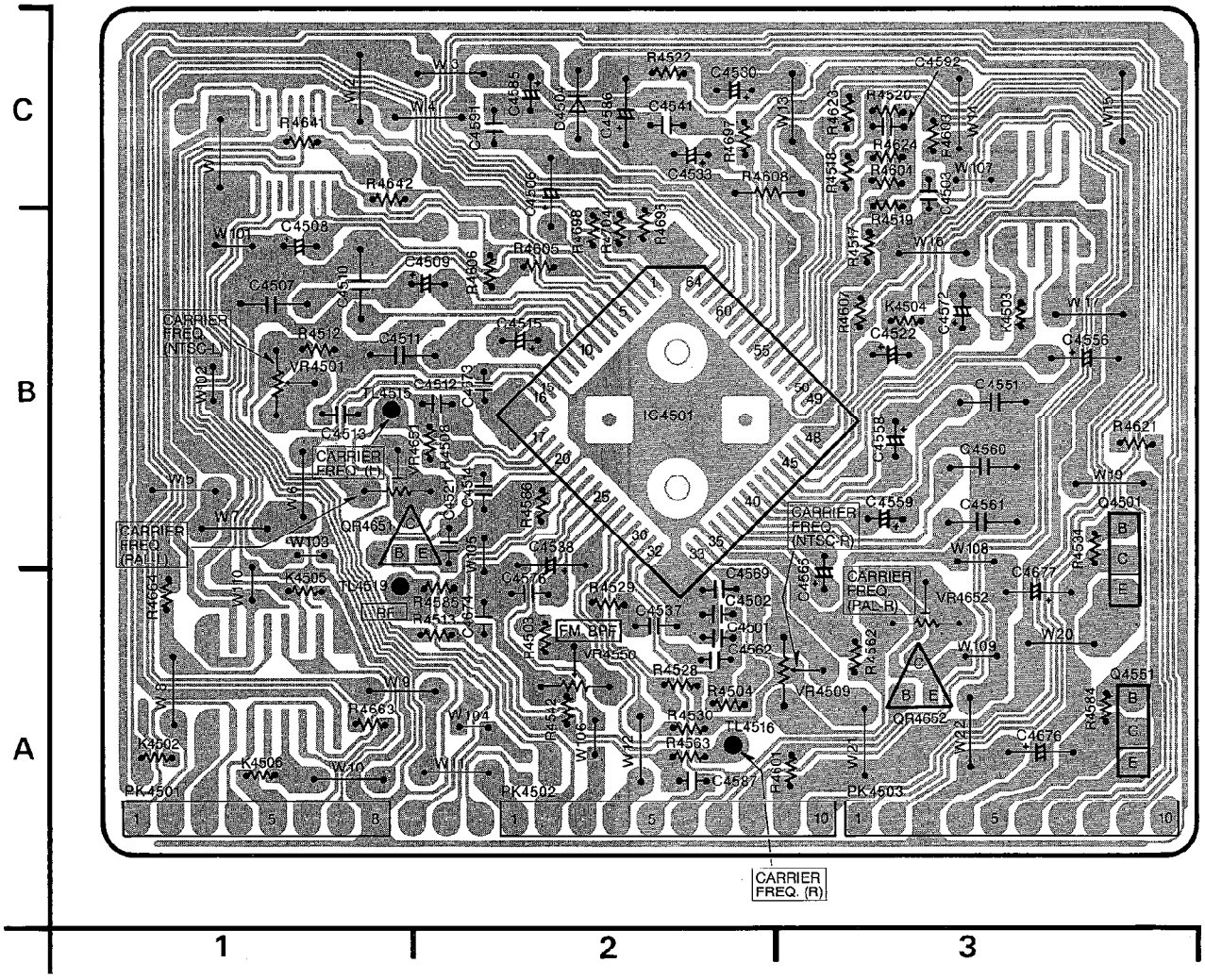
ADDRESS INFORMATION (F):FOIL SIDE (C):COMPONENT SIDE



3-28. FM AUDIO PACK C.B.A. (VEP04664D)

FM AUDIO PACK C.B.A.					
Transistor		Test Land		Connector	
Q4501 Q4551	B-3 A-3	TL4515 TL4516 TL4519	B-1 A-2 A-1	PK4601 PK4602 PK4603	A-1 A-2 A-3
Transistor & Resistor		Adjustment			
QR4651 QR4652	B-1 A-3	VR4501 VR4509 VR4550 VR4651 VR4652	B-1 A-3 A-2 B-1 A-3		
Integrated Circuit					
IC4501	B-2				

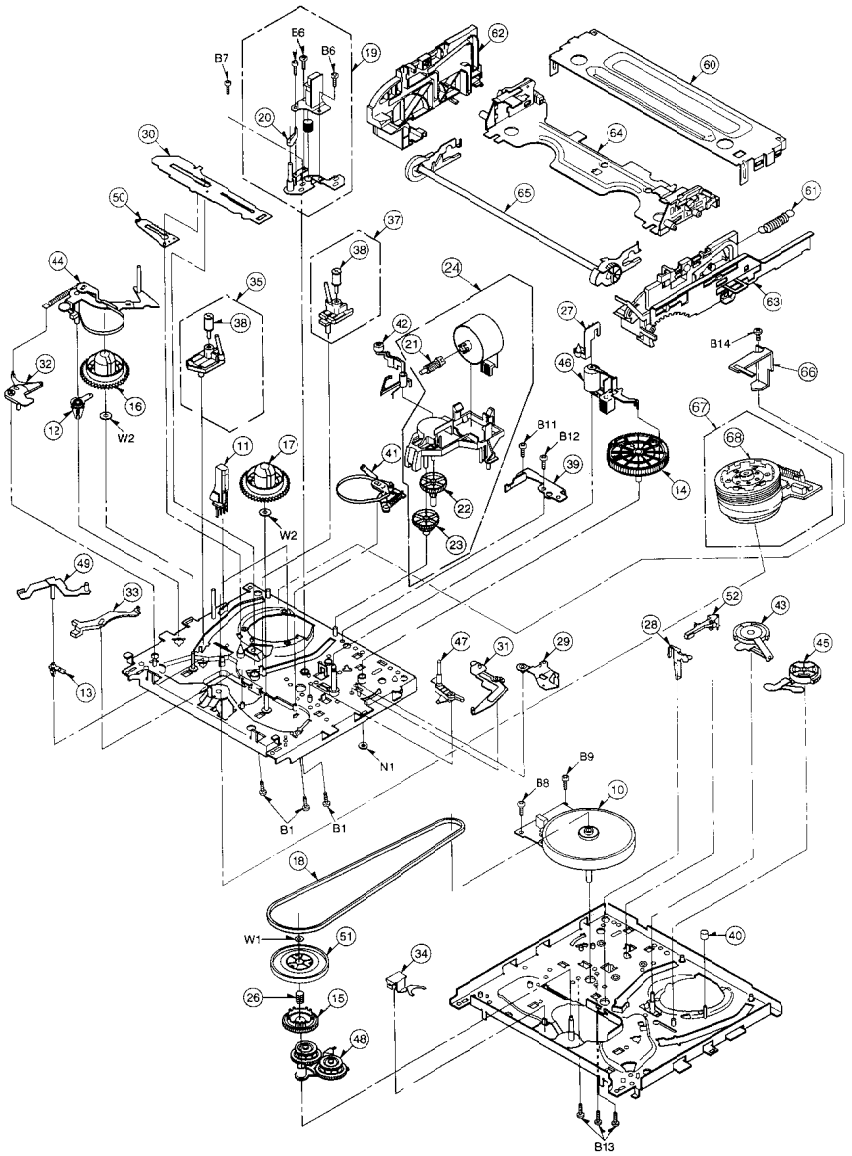
ADDRESS INFORMATION



SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW MECHANICAL REPLACEMENT PARTS LIST

1 CHASSIS PARTS SECTION



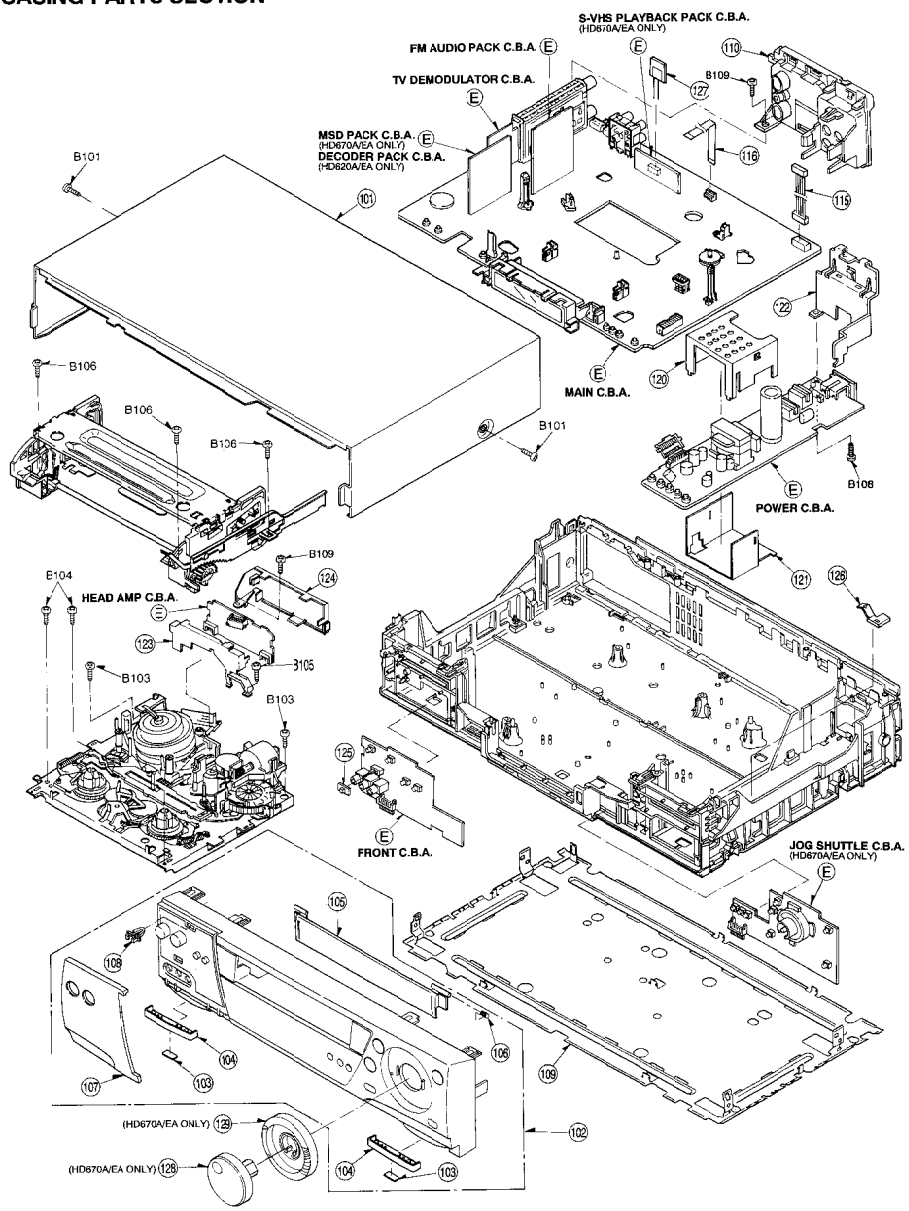
Note: 1.* Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE
Components identified with the mark < ! > have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
10 (1)	VEK8239	CAPSTAN UNIT	1	
11 (1)	VBS0155	FE HEAD	1	
12 (1)	VDB143	TENSION ARM BOSS	1	
13 (1)	VDB1460	SUPPLY BRAKE ARM BOSS	1	
14 (1)	VDG1220	MAIN CAM GEAR	1	
15 (1)	VDG122	CONVERSION GEAR	1	
16 (1)	VDR0346	SUPPLY REEL TABLE	1	
17 (1)	VDR0347	TAKE UP REEL TABLE	1	
18 (1)	VDV0372	CAPSTAN BELT	1	
19 (1)	VED0363	A/C HEAD UNIT	1	
20 (1)	VMX2656	P4 CAP	1	
21 (1)	VDG1217	WORM GEAR	1	
22 (1)	VDG1218	WORM WHEEL GEAR	1	
23 (1)	VDG1219	CENTRE GEAR	1	
24 (1)	VEM0604	LOADING MOTOR UNIT	1	
26 (1)	VMB3045	CONVERSION GEAR SPRING	1	
27 (1)	VMD2620	OPENER PIECE	1	
28 (1)	VMD2738	LED PRISM	1	
29 (1)	VML3165	DRIVE RACK ARM	1	
30 (1)	VML3166	MAIN LEVER	1	
31 (1)	VML3167	DRIVE MAIN LEVER ARM	1	
32 (1)	VML3172	SUPPLY SPRING ARM	1	
33 (1)	VML3176	CONVERSION LEVER A	1	
34 (1)	VML3177	CONVERSION LEVER B	1	
35 (1)	VXA6040	INCLINED BASE (S) UNIT	1	
37 (1)	VXA5854	INCLINED BASE (T) UNIT	1	
38 (1)	VXP184C	ROLLER POST	2	
39 (1)	VMA9672	SUPPORT ANGLE	1	
40 (1)	VMX2639	CIRCUIT BOARD PROTECTOR	1	
41 (1)	VXL2667	TAKE UP BRAKE ARM UNIT	1	
42 (1)	VXL2668	CLEANER ARM UNIT	1	
43 (1)	VXL267C	TAKE UP LOADING ARM UNIT	1	
44 (1)	VXL2793	TENSION ARM UNIT	1	
45 (1)	VXL2672	SUPPLY LOADING ARM UNIT	1	
46 (1)	VXL2785	PINCH ARM UNIT	1	
47 (1)	VXL2677	P5 ARM UNIT	1	
48 (1)	VXL2792	IDLER ARM UNIT	1	
49 (1)	VXL2737	SUPPLY BRAKE ARM UNIT	1	
50 (1)	VXL2747	LOADING RACK UNIT	1	
51 (1)	VXP1850	CENTRE CLUTCH UNIT	1	
52 (1)	VXZ0430	SS BRAKE ARM UNIT	1	
60 (1)	VMA9516	TOP PLATE	1	
61 (1)	VMB3047	CONNECTION SPRING	1	
62 (1)	VMD2625	SIDE PLATE (L)	1	
63 (1)	VXA5740	SIDE PLATE (R) UNIT	1	
64 (1)	VXA5746	CASSETTE HOLDER UNIT	1	
65 (1)	VXP1730	MAIN SHAFT UNIT	1	
66 (1)	VXS0244	EARTH PLATE UNIT	1	
67 (1)	VEG1435	CYLINDER UNIT	1	NV-HD620A/EA
67 (1)	VEG1436	CYLINDER UNIT	1	NV-HD670A/EA
68 (1)	VXP1836	UPPER CYLINDER UNIT	1	NV-HD620A/EA
68 (1)	VXP1837	UPPER CYLINDER UNIT	1	NV-HD670A/EA
B1 (1)	VHD1118	SCREW	3	
B6 (1)	VHD1066	SCREW	3	
B7 (1)	VHD1044	SCREW	1	
B8 (1)	VHD1060	SCREW	1	
B9 (1)	VHD1071	SCREW	1	
B11 (1)	XTS26+6F	SCREW	1	
B12 (1)	XTN26+6F	SCREW	1	
B13 (1)	XTN26+7J	SCREW	3	
N1 (1)	VHN0311	PUSH NUT	1	
W1 (1)	VMX2208	WASHER	1	
W2 (1)	VMX2650	WASHER	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks

2. CASING PARTS SECTION



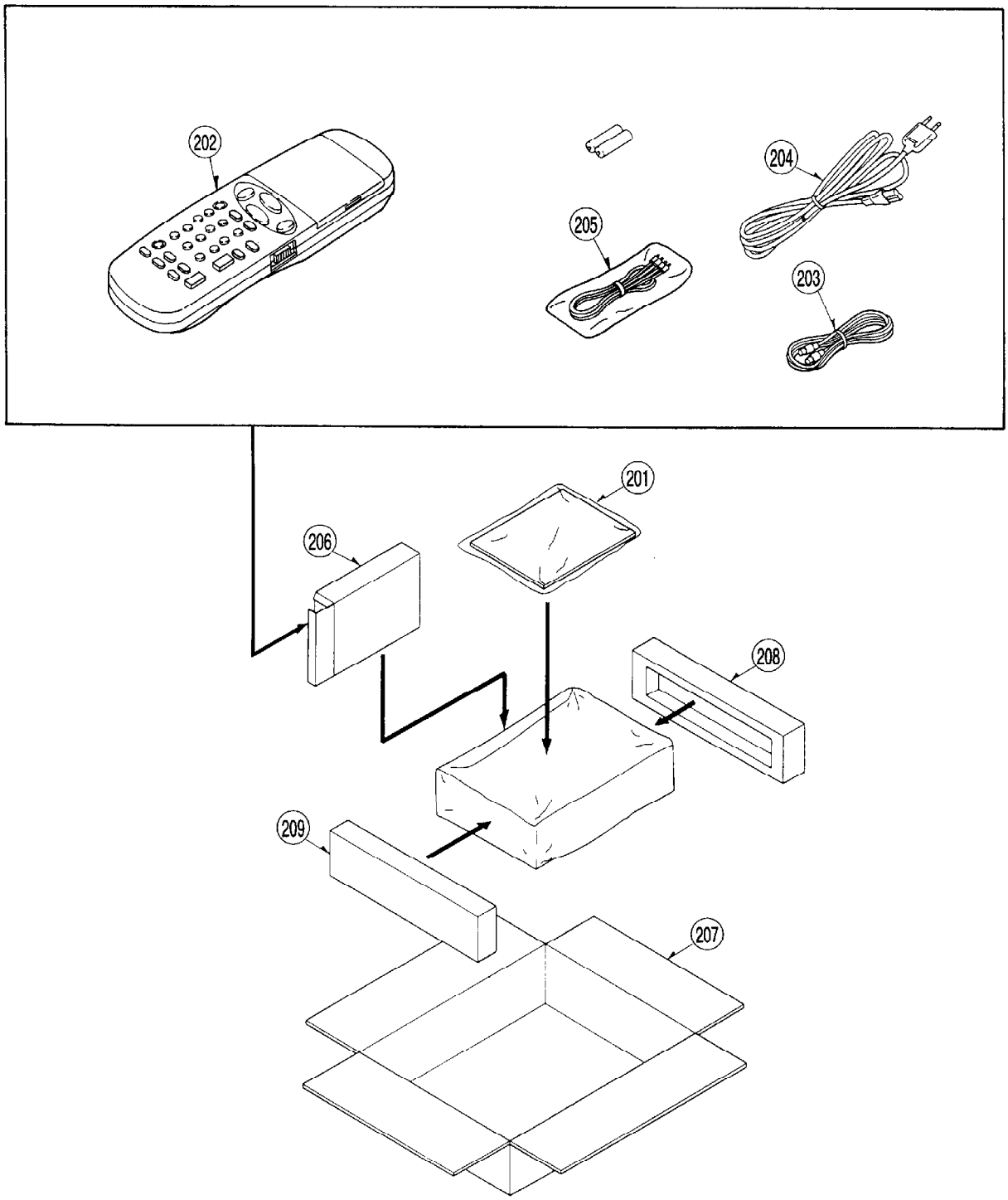
Note: 1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark < ! > have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
101 (2)	VGM1364	TOP PANEL	1	
102 (2)	VYP6628	FRONT PANEL UNIT	1	NV-HD620A
102 (2)	VYP6629	FRONT PANEL UNIT	1	NV-HD620EA
102 (2)	VYP6661	FRONT PANEL UNIT	1	NV-HD670A
102 (2)	VYP6662	FRONT PANEL UNIT	1	NV-HD670EA
103 (2)	VKA0122	FOOT	2	
104 (2)	VKA0303	LEG	1	
105 (2)	VKF2753	BLINDER PANEL	1	
106 (2)	VMB2521	BLINDER SPRING	1	
107 (2)	VKF2777	DOOR	1	NV-HD620A/EA
107 (2)	VKF2778	DOOR	1	NV-HD670A/EA
108 (2)	VGQ0550	LUTCH	1	
109 (2)	VKU0519	BOTTOM PLATE	1	
110 (2)	VJH1005	ANTENNA JACK PLATE	1	NV-HD620A/NV-HD670A
110 (2)	VJH1006	ANTENNA JACK PLATE	1	NV-HD620EA/NV-HD670EA
115 (2)	VEE0B34	WIRE CABLE	1	P2501-CYLINDER (9P)
116 (2)	VMJ1128	FLAT CARD CABLE	1	P4001-A2 HEAD (6P)
120 (2)	VSC4205	POWER SHIELD COVER	1	
⚠ 121 (2)	VMZ2378	BARRIER	1	
122 (2)	VMP5133	POWER PLATE	1	
123 (2)	VSC4628	HEAD AMP SHIELD COVER	1	
124 (2)	VSC4629	HEAD AMP SHIELD COVER	1	
125 (2)	VGU4537	SLIDE KNOB	1	
126 (2)	VMC1065	EARTH SPRING	1	
127 (2)	VEK8192	DEW SENSOR	1	
128 (2)	VGU7598	JOG DIAL	1	NV-HD670A/EA
129 (2)	VGU7599	SHUTTLE RING	1	NV-HD670A/EA
B101 (2)	XTW3+10TFZ	SCREW	2	
B103 (2)	VHD1065	SCREW	2	
B104 (2)	VHD0168	SCREW	2	
B105 (2)	XTV26+6FR	SCREW	1	
B106 (2)	XTV26+8FR	SCREW	3	
B108 (2)	VHD0418	SCREW	1	
B109 (2)	VHD0773	SCREW	2	

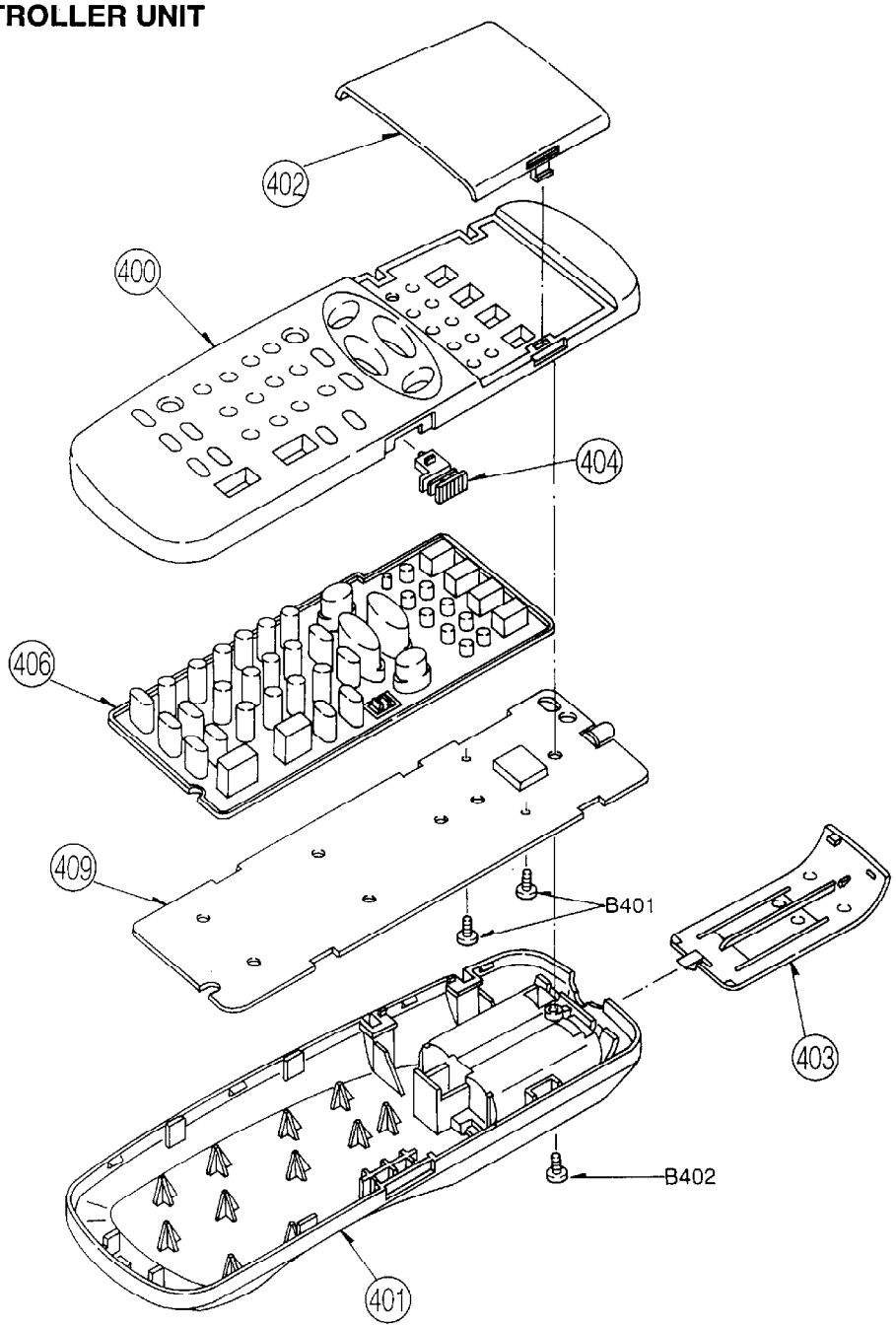
Note: 1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark < ! > have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 201 (S)	VQT7104	OPERATING INSTRUCTIONS (ENGLISH)	1	NV-HD620A/EA
⚠ 201 (S)	VQT7109	OPERATING INSTRUCTIONS (ENGLISH)	1	NV-HD670A/EA
202 (S)	VEQ2005	REMOTE CONTROLLER	1	
203 (S)	VJA0376	DIN RF CABLE	1	
⚠ 204 (S)	VJA0754	AC CORD	1	
205 (S)	VJA0788	AV CABLE	1	
206 (S)	VPK1726	ACCESSORIES PACKING	1	
207 (S)	VPG9113	PACKING CASE	1	NV-HD620A
207 (S)	VPG9114	PACKING CASE	1	NV-HD620EA
207 (S)	VPG9119	PACKING CASE	1	NV-HD670A
207 (S)	VPG9120	PACKING CASE	1	NV-HD670EA
208 (S)	VPN4545	CUSHION (R)	1	NV-HD62CA/EA
208 (S)	VPN4750	CUSHION (R)	1	NV-HD67CA/EA
209 (S)	VPN4546	CUSHION (L)	1	NV-HD62CA/EA
209 (S)	VPN4751	CUSHION (L)	1	NV-HD67CA/EA

3. PACKING PARTS SECTION



4. REMOTE CONTROLLER UNIT



Note: 1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark < ! > have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
400 (4)	VYK7931	TOP COVER UNIT	1	
401 (4)	VYK7176	BOTTOM COVER UNIT	1	
402 (4)	VGP4395	DOOR PANEL	1	
403 (4)	VKF2670	BATTERY COVER UNIT	1	
404 (4)	VGU7307	SWITCH	1	
406 (4)	VSP1030	RUBBER CONTACT	1	
409 (4)	----------	REMOTE CONTROLLER C.B.A.	1	THIS C.B.A. IS NOT SUPPLIED AS SPARE PART.
B401 (4)	XTB2+6G	SCREW	2	
B402 (4)	XTB2+8GFZ	SCREW	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		SERVICE FIXTURES & TOOLS		
	VFJ8125H3F	VHS ALIGNMENT TAPE (PAL)	1	
	VFK0335	RETAINING RING REMOVER (3MM/4MM)	1	
	VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
	VFK0326	HEX WRENCH SET	1	
	VFK0132	BACK TENSION METER	1	
	VFK27	HEAD CLEANING STICK	1	
	VFK1024	MORLYTONE GREASE	1	
	VFK0680	WHITE GREASE	1	
	VFK0330	FINE ADJUSTMENT GEAR DRIVER	1	
	VFK2744	16P EXTENSION CABLE	1	
	VFK1301	SILICON GREASE	1	
	VFK1298	FLOIL GREASE	1	

4-2. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE : Components identified with the mark < ! > have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf) , P=uuF.
4. The P.C.Board units marked width'■ 'show below the main assembled parts.
5. The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP06C05A	MAIN C.B.A.	1	(RTL)
		(Page:4-7)		NV-HD620A
				INCLUDING THE
				HI-FI AUDIO PACK
				C.B.A. (VEP04664D),
				DECODER PACK C.B.A.
				(VEP07784G),
				TV DEMODULATOR PACK
				C.B.A. (VEP07801AL).
■	VEP04664D	HI-FI AUDIO PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05A).
■	VEP07784G	DECODER PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05A).
■	VEP07801AL	TV DEMODULATOR PACK C.B.A	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05A).
■	VEP06C05B	MAIN C.B.A.	1	(RTL)
		(Page:4-12)		NV-HD620EA
				INCLUDING THE
				HI-FI AUDIO PACK
				C.B.A. (VEP04664D),
				DECODER PACK C.B.A.
				(VEP07787S),
				TV DEMODULATOR PACK
				C.B.A. (VEP07801AL).
■	VEP04664D	HI-FI AUDIO PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05B).
■	VEP07787S	DECODER PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05B).
■	VEP07801AL	TV DEMODULATOR PACK C.B.A	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05B).
■	VEP06G05G	MAIN G.B.A.	1	(RTL)
		(Page:4-17)		NV-HD670A
				INCLUDING THE
				SQ PB PACK C.B.A.
				(VEP03A03B),
				HI-FI AUDIO PACK
				C.B.A. (VEP04664D),
				DECODER PACK C.B.A.
				(VEP07784G),
				TV DEMODULATOR PACK
				C.B.A. (VEP07801AL).
■	VEP03A03B	SQ PB PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06G05G).
■	VEP04664D	HI-FI AUDIO PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06G05G).
■	VEP07784G	DECODER PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06G05G).

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP07801AL	TV DEMODULATOR PACK C.B.A	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05G).
■	VEP06C05H	MAIN C.B.A.	1	(RTL)
		(Page:4-22)		NV-HD670EA
				INCLUDING THE
				SQ PB PACK C.B.A.
				(VEP03A03B),
				HI-FI AUDIO PACK
				C.B.A. (VEP04664D),
				DECODER PACK C.B.A.
				(VEP07787S),
				TV DEMODULATOR PACK
				C.B.A. (VEP07801AL).
■	VEP03A03B	SQ PB PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05H).
■	VEP04664D	HI-FI AUDIO PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05H).
■	VEP07787S	DECODER PACK C.B.A.	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05H).
■	VEP07801AL	TV DEMODULATOR PACK C.B.A	1	(RTL)
				C.B.A. IS INCLUDED IN
				MAIN C.B.A. (VEP06C05H).
■	VEP05353A	HEAD AMP C.B.A.	1	(RTL)
		(Page:4-27)		
■	VEP06R92A	FRONT C.B.A.	1	(RTL)
		(Page:4-27)		NV-620A/EA
■	VEP06B92B	FRONT C.B.A.	1	(RTL)
		(Page:4-27)		NV-HD670A/EA
⚠ ■	VEP01768N	POWER C.B.A.	1	(RTL)
		(Page:4-28)		NV-HD620A/EA
⚠ ■	VEP01768K	POWER C.B.A.	1	(RTL)
		(Page:4-28)		NV-HD670A/EA
■	VEP07947A	JOG C.B.A.	1	(RTL)
		(Page:4-29)		NV-HD670A
■	VEP07947C	JOG C.B.A.	1	(RTL)
		(Page:4-29)		NV-HD670EA
⚠	ENG47263G	TUNER	1	NV-HD620A, NV-HD670A
⚠	ENG47262G	TUNER	1	NV-HD620EA, NV-HD670EA
⚠ F1101	XBA2C16TBO	FUSE	1	
■	VEP06G05A	MAIN G.B.A.		(RTL)
				NV-HD620A
C0701, 02	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C0704	ECUX1H331JGV	C. CAPACITOR CH 50V 330P	1	
C0706	ECEA1HKA0R1	E. CAPACITOR 50V 0.1U	1	
C0707, 08	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C0709	ECUX1H120JGV	C. CAPACITOR CH 50V 12P	1	
C0710	ECUX1H470JPV	C. CAPACITOR CH 50V 47P	1	
C0711	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C0712	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0714	ECQB1H473JF	P. CAPACITOR 50V 0.047U	1	
C0715	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0716	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C0717	ECUX1H270JPV	C. CAPACITOR CH 50V 27P	1	
C0718	ECEA1HKAR47	E. CAPACITOR 50V 0.47U	1	
C0719	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1	
C0720	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0723	ECEA1HKA0R1	E. CAPACITOR 50V 0.1U	1	
C0726	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0730	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0732	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C1001	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1002	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C1003	VCEA1EC8470	E. CAPACITOR 25V 47U	1	
C1004	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C1005	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1006	VCEA1CEC470	E. CAPACITOR 16V 47U	1	
C1007	VCEA1CEC101	E. CAPACITOR 16V 100U	1	
C1008	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1009	VCEA1EJC470	E. CAPACITOR 25V 47U	1	
C1010	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C1011	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1012	VCEA0JBS470	E. CAPASITOR 6.3V 47U	1	
C1013	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2009	ECUM1E683KBN	C. CAPACITOR CH 25V 0.068U	1	
C2010	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	
C2012	ECEA1CKN100	E. CAPACITOR 16V 10U	1	
C2013	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C2014	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C2015	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C2016	ECUM1H332KBN	C. CAPACITOR CH 50V 3300P	1	
C2017	ECUM1C474ZFN	C. CAPACITOR CH 16V 0.47U	1	
C2018	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C2021	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C2501	ECUM1H473ZFN	C. CAPACITOR CH 50V 0.047U	1	
C2502	ECEA1VKN4R7	E. CAPACITOR 35V 4.7U	1	
C2504-06	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	3	
C2507	ECQV1H683JM	P. CAPACITOR 50V 0.068U	1	
C2508	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C2509	VCEA1EC8470	E. CAPACITOR 25V 47U	1	
C2514, 15	ECEA1VKN4R7	E. CAPACITOR 35V 4.7U	2	
C3001	ECUX1H561JCN	C. CAPACITOR CH 50V 560P	1	
C3002	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3003	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3004	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3005	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3006	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C3007	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C3008	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C3009	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3010	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3011	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C3012	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3017, 18	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C3019	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C3020	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3021	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3022	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C3023	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C3024	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3025	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3026	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3027	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3028	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C3029	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3030	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C3031	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C3032	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3033	ECUM1H821JCN	C. CAPACITOR CH 50V 820P	1	
C3034	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C3035	ECUM1H040CCN	C. CAPACITOR CH 50V 4P	1	
C3036	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3037	VCEA0JEC471	E. CAPASITOR 6.3V 470U	1	
C3040, 41	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	2	
C3042, 43	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
C3044	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3045	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3047	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3049-51	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	3	
C3052	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3053	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C3054	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C3055	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3056	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3057	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C3058	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C3059, 60	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C3063	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3064	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C3065	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3066	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3067	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3068	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3069	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3071	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3072	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C3073	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3074	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C3076	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3080	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C3081	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3089, 90	VCEA0JCB330	E. CAPASITOR 6.3V 33U	2	
C3092	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3093	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C4001	ECUM1H182JCN	C. CAPACITOR CH 50V 1800P	1	
C4002	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4003	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4004	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4005	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4006	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C4007	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4008	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4009	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4010	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4011	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4012	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4015	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4016	ECKF1H102KB	C. CAPACITOR 50V 1000P	1	
C4017	ECUX1E273KBN	C. CAPACITOR CH 25V 0.027U	1	
C4018	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C4019	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4020	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C4021	ECQB1H223KF	P. CAPACITOR 50V 0.022U	1	
C4022	ECUM1H272KBN	C. CAPACITOR CH 50V 2700P	1	
C4023	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C4028	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4029, 30	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	2	
C4035	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4037	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4038	ECEA0JKA220	E. CAPACITOR 6.3V 22U	1	
C4501	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C4502	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4503	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4506	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4507	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4508	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4509	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4510	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4511	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4512	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4513	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C4514	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C4515	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4521	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4522	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4530	ECA0JAK470X	E. CAPACITOR 6.3V 47U	1	
C4533	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4537	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C4538	ECA1HAKR47X	E. CAPACITOR 50V 0.47U	1	
C4541	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4551	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4556	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4558	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4559	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4560	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4561	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4562	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4565	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4569	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4572	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4576	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4585, 86	ECA0JAK101X	E. CAPACITOR 6.3V 100U	2	
C4587	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4591	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4592	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4673	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4674	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4676	ECA1VAK470X	E. CAPACITOR 35V 47U	1	
C4677	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C6001, 02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6003	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C6004	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6005	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6006	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C6007	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6008	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
C6009	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6010	VCE0073	SUPER CAPACITOR	1	
C6011	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C6012	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6014	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C6016	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6017-19	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6020	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C6022	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6023	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C6026-28	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6030	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
C6032	VCEA1HCB3R3	E. CAPACITOR 50V 3.3U	1	
C6034	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
C6036	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C7003	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7004	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7005	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7302	ECEA1HKN2R2	E. CAPACITOR 50V 2.2U	1	
C7304	ECEA1HKN2R2	E. CAPACITOR 50V 2.2U	1	
C7308	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C7309	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C7310	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7311	ECEA1CKA101	E. CAPACITOR 16V 100U	1	
C7312	ECQB1H103JZ	P. CAPACITOR 50V 0.01U	1	
C7313	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C7314, 15	ECQB1H103JZ	P. CAPACITOR 50V 0.01U	2	
C7320, 21	ECEA1CKA100	E CAPACITOR 16V 10U	2	
C7323-25	ECUM1H153KBM	C. CAPACITOR CH 50V 0.015U	3	
C7326	ECEA1CKN100	E. CAPACITOR 16V 10U	1	
C7328	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7330	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7332, 33	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	2	
C7337	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7339	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7340	ECUM1H390JPN	C. CAPACITOR CH 50V 39P	1	
C7341	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C7345	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7346	ECUM1H390JPN	C. CAPACITOR CH 50V 39P	1	
C7347	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C7349, 50	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	2	
C7352	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7353	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7601	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7602, 03	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C7604	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7605	VCEA1CCB101	E. CAPACITOR 16V 100U	1	
C7606	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7607	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7608	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7609	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7614	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7701	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7702	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C7704	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C7705	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7706, 07	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	2	
C7709	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C7715-17	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	3	
D1001	MA4051-L	DIODE	1	
D1002	MA4120-M	DIODE	1	
D1003-05	1SS254	DIODE	3	
D1006	MA4051-M	DIODE	1	
D1007, 08	1SS254	DIODE	2	
D1009	MA4150-M	DIODE	1	
D1010	MA723-VT	DIODE	1	
D2001	1SS254	DIODE	1	
D2508	MA723-VT	DIODE	1	
D3001	1SS283	DIODE	1	
D3003	1SS254	DIODE	1	
D3004	MA723-VT	DIODE	1	
D3005	MA151WA	DIODE	1	
D3012, 13	1SS254	DIODE	2	
D3017	1SS254	DIODE	1	
D4504	1SS254	DIODE	1	
D6001	SIR505S	DIODE	1	
D6003, 04	1SS355	DIODE	2	
D7001	MA4180	DIODE	1	
D7304	MAZ9T-B	DIODE	1	
D7305	1SS254	DIODE	1	
D7307	MA151K	DIODE	1	
D7601	MA4300-M	DIODE	1	
DP7001	VSL0499	DISPLAY TUBE	1	
IC0701	LA7576	IC	1	
IC2501	AN3811NK	IC	1	
IC3001	AN3501NFBP	IC	1	
IC3002	MC14053BF	IC	1	
IC3003	TL8849AP	IC	1	
IC4001	NJM4558M	IC	1	
IC4501	BH7778AK	IC	1	
IC6001	MN675567VRWD	IC	1	
IC6002	PST7043	IC	1	
IC6003	PST7028	IC	1	
IC6004	PNA4611M02VT	IR RECEIVER UNIT	1	
IC6005, 06	RP1354N	IC	2	
IC6007	S-29355ADP	IC	1	
IC7001	M35500FP	FIP DRIVE IC	1	
IC7301	TDA9845	IC	1	
IC7302	TA8721SN	IC	1	
IC7701	IC783WVAP	OSD IC	1	
⚠ IP1001, 02	UNH000300A	IC PROTECTOR	2	
JK3001	VJJ0559	RCA PINJACK 6P	1	
K0702	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K0704, 05	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
K3003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K3006	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4004, 05	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K4008	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4502-06	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	5	
K6003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K7302	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K7315	ERJ3GEYG302	M. RESISTOR CH 1/16W 3K	1	
K7316	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
K7604	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K7610	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K7614	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
L0701	VLQ0163JR39	COIL 0.39UH	1	
L0705	VLQ0163J5R6	COIL 5.6UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L0706	VLQEL05S120K	COIL 12UH	1	
L3001	VLQ0599J680	COIL 68UH	1	
L3002	ELESE120JA	INDUCTOR 12UH	1	
L3003	VLQ0599J220	COIL 22UH	1	
L3004	VLQ0599J680	COIL 68UH	1	
L3006	VLQ0599J820	COIL 82UH	1	
L3007	VLQ0599J151	COIL 150UH	1	
L3012	VLQ0599J680	COIL 68UH	1	
L3014-16	VLQ0599J680	COIL 68UH	3	
L3018	VLQ0599J151	COIL 150UH	1	
L4001	VLQEL07F153J	COIL 15000UH	1	
L4003	ELESN471KA	INDUCTOR 470UH	1	
L6003	VLQ0599J220	COIL 22UH	1	
L7001	VLQ0599J220	COIL 22UH	1	
L7602-06	VLQ0599J680	COIL 68UH	5	
L7609	VLQ0599J1R0	COIL 1UH	1	
L7702, 03	VLQ0599J330	COIL 33UH	2	
LB6001, 02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P	1	
P2001	VJP3835A012	CONNECTOR (MALE) 12P	1	
P2501	VJP1236T	CONNECTOR (MALE) 9P	1	
P4001	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P4007	VJP3630A014G	CONNECTOR (MALE) 14P	1	
P6002	VJS3905	DEW SENSOR CONNECTOR	1	
P6003	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
PK0701	VJR0816E010W	CONNECTOR (MALE) 10P	1	
PK4501	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PK4502, 03	VJR0777B010W	CONNECTOR (MALE) 10P	2	
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P	1	
PK7302	VJR0777B005W	CONNECTOR (MALE) 5P	1	
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P	1	
PP3001, 02	VJS3932A008W	CONNECTOR (FEMALE) 8P	2	
Q0701	MSD601-S	TRANSISTOR	1	
Q0702	MSB709-R	TRANSISTOR	1	
Q1001	MSD1328	TRANSISTOR	1	
Q1002	2SD2544OPQA	TRANSISTOR	1	
Q1003	2SD2259	TRANSISTOR	1	
Q1004	2SD2544OPQA	TRANSISTOR	1	
Q1005	2SD1991	TRANSISTOR	1	
Q1009	MSD1328	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3008	MSC2295	TRANSISTOR	1	
Q3009	2SD601A	TRANSISTOR	1	
Q4002	MSD602	TRANSISTOR	1	
Q4003	MSB710	TRANSISTOR	1	
Q4005	2SD1149	TRANSISTOR	1	
Q4006	2SD601A	TRANSISTOR	1	
Q4007, 08	MSD601-R	TRANSISTOR	2	
Q4501	2SD1468	TRANSISTOR	1	
Q4551	2SA1515	TRANSISTOR	1	
Q6002	PNB2301MAV	TRANSISTOR	1	
Q6003	PNB2301MBV	TRANSISTOR	1	
Q7301	MSD601-S	TRANSISTOR	1	
Q7601	2SB709A	TRANSISTOR	1	
Q7701	MSC2295	TRANSISTOR	1	
Q7702	2SD601A	TRANSISTOR	1	
QR1001	MUN2211	TRANSISTOR-RESISTOR	1	
QR3002	MUN2212	TRANSISTOR-RESISTOR	1	
QR3003, 04	DTC363EK	TRANSISTOR-RESISTOR	2	
QR3006	MUN2213	TRANSISTOR-RESISTOR	1	
QR3009	MUN2213	TRANSISTOR-RESISTOR	1	
QR3016, 17	MUN2213	TRANSISTOR-RESISTOR	2	
QR4002	MUN2211	TRANSISTOR-RESISTOR	1	
QR4003	MUN2213	TRANSISTOR-RESISTOR	1	
QR4004	MUN2111	TRANSISTOR-RESISTOR	1	
QR4651, 52	UN5213	TRANSISTOR-RESISTOR	2	
QR7304	MUN2213	TRANSISTOR-RESISTOR	1	
QR7601	MUN2213	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR7701	MUN2113	TRANSISTOR-RESISTOR	1	
R0702	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R0704	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R0705	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R0706, 07	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
R0708	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R0709	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R0710	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R0713	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R0714	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R0715	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R0716	VRE0040E151	M. RESISTOR CH 1/10W 150	1	
R0717	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R0718	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0719	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R0720	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0722	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R0728	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0729	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0732	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0783	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R1002	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R1003	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1004	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R1005	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1006	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R1007, 08	ERDS1TJ471	C. RESISTOR 1/2W 470	2	
R1009	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R2002	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R2003	ERJ6GMYJ274	M. RESISTOR CH 1/10W 270K	1	
R2009	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R2014	FRJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R2501	ERDS2TJ330	C. RESISTOR 1/4W 33	1	
R2504	ERDS1TJ1R5	C. RESISTOR 1/2W 1.5	1	
R2505	ERDS1TJ1R2	C. RESISTOR 1/2W 1.2	1	
R2506, 07	ERDS2TJ330	C. RESISTOR 1/4W 33	2	
R3001	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3002, 03	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	2	
R3004	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3005	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3006	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3007	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3008	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3009	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R3010	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3011	ERJ6GMYJ125	M. RESISTOR CH 1/10W 1.2M	1	
R3012	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3013	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3014	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3015	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3016	ERJ6GMYG221	M. RESISTOR CH 1/10W 220	1	
R3017	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3019	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3020	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R3021	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3022	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3025	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3026	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3030	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R3032	ERJ6GMYG154	M. RESISTOR CH 1/10W 150K	1	
R3034	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3036	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3037	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3041	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R3043	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3046	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R3047	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3048	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R3049, 50	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R3051	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R3052	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3053	ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R3057	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R3059	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3060	ERJ6GMYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3061	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3077	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R4001	ERJ6GMYG273	M.RESISTOR CH 1/10W 27K	1	
R4002	ERJ6GMYJ241	M.RESISTOR CH 1/10W 240	1	
R4003	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4004	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K	1	
R4005	ERJ6GMYJ163	M.RESISTOR CH 1/10W 16K	1	
R4006	ERJ6GMYG331	M.RESISTOR CH 1/10W 330	1	
R4007	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K	1	
R4008	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4009	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R4010	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R4011	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R4012	ERJ6GMYG471	M.RESISTOR CH 1/10W 470	1	
R4013	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4014	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R4015	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4016	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R4017	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R4019	ERJ6GMYG393	M.RESISTOR CH 1/10W 39K	1	
R4020	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4023	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4024	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R4025	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4027	ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	1	
R4030	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R4031	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4034	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4037	ERJ6GMYG471	M.RESISTOR CH 1/10W 470	1	
R4038	ERG2SJ821	M.RESISTOR 2W 820	1	
R4039	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R4040	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K	1	
R4041	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4042	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	1	
R4043	ERJ6GMYG393	M.RESISTOR CH 1/10W 39K	1	
R4044	ERJ6GMYG752	M.RESISTOR CH 1/10W 7.5K	1	
R4045	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4046	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	1	
R4050, 51	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	2	
R4052	ERJ6GMYG471	M.RESISTOR CH 1/10W 470	1	
R4059	ERJ6GMYG682	M.RESISTOR CH 1/10W 6.8K	1	
R4503	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R4504	ERJ3GEYG224	M.RESISTOR CH 1/16W 220K	1	
R4508	ERJ3GEYG224	M.RESISTOR CH 1/16W 220K	1	
R4512	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4517, 18	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R4519, 20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4522	ERJ3GEYK225	M.RESISTOR CH 1/16W 2.2M	1	
R4528	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4529	ERJ3GEYG562	M.RESISTOR CH 1/16W 5.6K	1	
R4530	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4534	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4542	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4562	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4563	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4584	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4585	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R4586	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4601	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4603, 04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4605	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4606	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4608	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R4621	ERJ6GEYJ363	M.RESISTOR CH 1/10W 36K	1	
R4623	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4641, 42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4663, 64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4695	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4697	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4698	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4704	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6003	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R6004	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6005	ERJ6GMYG273	M.RESISTOR CH 1/10W 27K	1	
R6006	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6007	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R6008	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6011	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6012	ERDS2TJ121	C.RESISTOR 1/4W 120	1	
R6013	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R6014	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6015	ERJ6GMYJ244	M.RESISTOR CH 1/10W 240K	1	
R6016	ERJ6GMYG393	M.RESISTOR CH 1/10W 39K	1	
R6017	ERJ6GMYG273	M.RESISTOR CH 1/10W 27K	1	
R6018	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6019	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6021	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6027	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6028	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6032-37	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	6	
R6041	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R6042-44	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	3	
R6045	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R6047	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R6049-51	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	3	
R6052-54	ERJ6GMYG333	M.RESISTOR CH 1/10W 33K	3	
R6055	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6056	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R6057	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R6059	ERJ6GMYG273	M.RESISTOR CH 1/10W 27K	1	
R6060	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R6061	ERJ6GMYG273	M.RESISTOR CH 1/10W 27K	1	
R6062	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6067-69	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	3	
R6073	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R6086	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R6091	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6093	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R6095, 96	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R7001	ERDS2TJ5R6	C.RESISTOR 1/4W 5.6	1	
R7002, 03	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	2	
R7007	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R7009, 10	ERJ6GMYG472	M.RESISTOR CH 1/10W 4.7K	2	
R7011	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R7012, 13	ERJ6GMYG202	M.RESISTOR CH 1/10W 2K	2	
R7014	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R7016	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R7018	ERJ6GMYG363	M.RESISTOR CH 1/10W 36K	1	
R7019	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R7021	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R7022	ERJ6GMYG182	M.RESISTOR CH 1/10W 1.8K	1	
R7023, 24	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	2	
R7025, 26	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K	2	
R7027, 28	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R7029	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R7302	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7304	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7305	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R7307	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7311	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R7313	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R7320	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R7323	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7324, 25	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R7326	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7327	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R7328	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R7329	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7330	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R7331	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7336	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7337	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R7345	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R7352, 53	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R7354, 55	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R7358, 59	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
R7362, 63	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R7601, 02	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R7603	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R7605	ERG2SJ331	M. RESISTOR 2W 330	1	
R7606, 07	ERJ6GMYG151	M. RESISTOR CH 1/10W 150	2	
R7608, 09	ERJ6GMYJ683	M. RESISTOR CH 1/10W 68K	2	
R7610	ERG2SJ331	M. RESISTOR 2W 330	1	
R7611	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R7612	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7613-15	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	
R7701, 02	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	2	
R7703	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7704	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R7705	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R7706	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R7707	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
S6001	VESO834	S-TAB SWITCH	1	
S6002	VSSO520	MODE SELECT SWITCH	1	
S7001, 02	EVQ11L07B	SWITCH	2	
S7007, 08	EVQ11L07B	SWITCH	2	
S7601	VSSO531	AV SELECT SWITCH	1	
T0703	EQV5EC071A	TRANSFORMER	1	
T0704	EQV5EC072A	TRANSFORMER	1	
T4002	EQQ7QF024Q	TRANSFORMER	1	
T7301	EQR7QG028P	TRANSFORMER	1	
T7304	EIS5EC017A	TRANSFORMER	1	
T7305	EQS5EC033A	TRANSFORMER	1	
VR0701	EVNCBAA00B24	V. RESISTOR 20K	1	
VR4501	EVMEGSA00BS3	V. RESISTOR 6.8K	1	
VR4509	EVMEGSA00B53	V. RESISTOR 5K	1	
VR4550	EVMEGSA00B14	V. RESISTOR 10K	1	
VR4651, 52	EVMEGSA00B25	V. RESISTOR 200K	2	
VR7301	EVNCBAA00B53	V. RESISTOR 5K	1	
X0703	EFCS5R5MW5	CERAMIC FILTER	1	
X0704	VLF1035	FILTER	1	
X3001	VSXO162	CRYSTAL OSCILLATOR	1	
X3002	VSXO160	CRYSTAL OSCILLATOR	1	
X6001	VSXO830	CRYSTAL OSCILLATOR	1	
X6002	VSXO660	CRYSTAL OSCILLATOR	1	
X7001	VSXO339	CRYSTAL OSCILLATOR	1	
X7301	EFCS5R5MS5	CERAMIC FILTER	1	
X7304	EFCS5R74MS5B	CERAMIC FILTER	1	
X7305	VSXO648	CRYSTAL OSCILLATOR	1	
ZA3001	VSC4680	SHIELD COVER	1	
ZB7001	VXQ0648	FIP HOLDER	1	
		MISCELLANEOUS		
⚠	ENG47263G	TUNER	1	
	VMP4894	SUPPORT ANGLE	1	FOR DECODER G.B.A.
	VMP4471	TV DEMODULATOR ANGLE	1	FOR TV DEMODU. G.B.A.
■	VEP06005B	MAIN G.B.A.		(RTL)
				NV-HD620EA
C0701, 02	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C0704	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C0706	ECEA1HKA0R1	E. CAPACITOR 50V 0.1U	1	
C0707, 08	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C0709	ECUX1H120JCV	C. CAPACITOR CH 50V 12P	1	
C0710	ECUX1H470JPV	C. CAPACITOR CH 50V 47P	1	
C0711	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C0712	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0714	ECQB1H473JF	P. CAPACITOR 50V 0.047U	1	
C0715	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0716	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C0717	ECUX1H270JPV	C. CAPACITOR CH 50V 27P	1	
C0718	ECEA1HKAR47	E. CAPACITOR 50V 0.47U	1	
C0719	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1	
C0720	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0723	ECEA1HKA0R1	E. CAPACITOR 50V 0.1U	1	
C0726	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0730	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C0732	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C1001	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1002	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C1003	VCEA1ECB470	E. CAPACITOR 25V 47U	1	
C1004	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C1005	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1006	VCEA1CEC470	E. CAPACITOR 16V 47U	1	
C1007	VCEA1CEC101	E. CAPACITOR 16V 100U	1	
C1008	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1009	VCEA1EJC470	E. CAPACITOR 25V 47U	1	
C1010	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C1011	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C1012	VCEA0JBS470	E. CAPASITOR 6.3V 47U	1	
C1013	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C2009	ECUM1E683KBN	C. CAPACITOR CH 25V 0.068U	1	
C2010	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	
C2012	ECEA1CKN100	E. CAPACITOR 16V 10U	1	
C2013	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C2014	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C2015	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C2016	ECUM1H332KBN	C. CAPACITOR CH 50V 3300P	1	
C2017	ECUM1C474ZFN	C. CAPACITOR CH 16V 0.47U	1	
C2018	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C2021	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C2501	ECUM1H473ZFN	C. CAPACITOR CH 50V 0.047U	1	
C2502	ECEA1VKN4R7	E. CAPACITOR 35V 4.7U	1	
C2504-06	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	3	
C2507	ECQV1H683JM	P. CAPACITOR 50V 0.068U	1	
C2508	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C2509	VCEA1ECB470	E. CAPACITOR 25V 47U	1	
C2514, 15	ECEA1VKN4R7	E. CAPACITOR 35V 4.7U	2	
C3001	ECUX1H561JCN	C. CAPACITOR CH 50V 560P	1	
C3002	ECUM1H390JCN	C. CAPACITOR CH 50V 39P	1	
C3003	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3004	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C3005	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C3006	ECUM1H820JCN	C. CAPACITOR CH 50V 82P	1	
C3007	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C3008	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C3009	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3010	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3011	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C3012	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3017, 18	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C3019	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C3020	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3021	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3022	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C3023	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C3024	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3025	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3026	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
C3027	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3028	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C3029	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3030	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C3031	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C3032	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C3033	ECUM1H821JCN	C. CAPACITOR CH 50V 820P	1	
C3034	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C3035	ECUM1H040CCN	C. CAPACITOR CH 50V 4P	1	
C3036	ECUM1H151JCN	C. CAPACITOR CH 50V 150P	1	
C3037	VCEA0JEC471	E. CAPASITOR 6.3V 470U	1	
C3040, 41	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	2	
C3042, 43	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	2	
C3044	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C3045	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3047	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C3049-51	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	3	
C3052	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3053	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C3054	VCEAOJCB220	E. CAPASITOR 6.3V 22U	1	
C3055	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3056	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3057	VCEAOJCB221	E. CAPASITOR 6.3V 220U	1	
C3058	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C3059.60	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C3063	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3064	VCEAOJCB221	E. CAPASITOR 6.3V 220U	1	
C3065	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3066	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3067	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3068	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3069	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3071	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3072	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C3073	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3074	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C3076	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3080	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C3081	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3089.90	VCEAOJCB330	E. CAPASITOR 6.3V 33U	2	
C3092	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3093	VCEAOJCB101	E. CAPASITOR 6.3V 100U	1	
C4001	ECUM1H182JCN	C. CAPACITOR CH 50V 1800P	1	
C4002	VCEAOJCB220	E. CAPASITOR 6.3V 22U	1	
C4003	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4004	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4005	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4006	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C4007	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4008	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4009	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4010	VCEAOJCB470	E. CAPASITOR 6.3V 47U	1	
C4011	VCEAOJCB220	E. CAPASITOR 6.3V 22U	1	
C4012	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4015	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4016	ECKF1H102KB	C. CAPACITOR 50V 1000P	1	
C4017	ECUX1E273KBN	C. CAPACITOR CH 25V 0.027U	1	
C4018	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C4019	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4020	VCEAOJCB221	E. CAPASITOR 6.3V 220U	1	
C4021	ECQB1H223KF	P. CAPACITOR 50V 0.022U	1	
C4022	ECUM1H272KBN	C. CAPACITOR CH 50V 2700P	1	
C4023	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C4028	VCEAOJCB470	E. CAPASITOR 6.3V 47U	1	
C4029.30	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	2	
C4035	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4037	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4038	ECEAOJKA220	E. CAPACITOR 6.3V 22U	1	
C4501	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C4502	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4503	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4506	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4507	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4508	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4509	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4510	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4511	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4512	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4513	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C4514	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C4515	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4521	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4522	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4530	ECAOJAK470X	E. CAPACITOR 6.3V 47U	1	
C4533	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4537	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C4538	ECA1HAKR47X	E. CAPACITOR 50V 0.47U	1	
C4541	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4551	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4556	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4558	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4559	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4560	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4561	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4562	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4565	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4569	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4572	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4576	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4585.86	ECAOJAK101X	E. CAPACITOR 6.3V 100U	2	
C4587	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4591	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4592	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4673	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4674	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4676	ECA1VAK470X	E. CAPACITOR 35V 47U	1	
C4677	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C6001.02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6003	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C6004	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6005	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6006	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C6007	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6008	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
C6009	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6010	VCEC073	SUPER CAPACITOR	1	
C6011	VCEAOJCB221	E. CAPASITOR 6.3V 220U	1	
C6012	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6014	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C6016	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6017-19	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6020	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C6022	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6023	VCEAOJCB101	E. CAPASITOR 6.3V 100U	1	
C6026-28	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6030	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
C6032	VCEA1HCB3R3	E. CAPACITOR 50V 3.3U	1	
C6034	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
C6036	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C7003	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7004	VCEAOJCB101	E. CAPASITOR 6.3V 100U	1	
C7005	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7301.02	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C7303	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7304	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7305	ECEA1CKA220	E. CAPACITOR 16V 22U	1	
C7306	ECUX1H391JCV	C. CAPACITOR CH 50V 390P	1	
C7309-12	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	4	
C7313	ECEAOJKA220	E. CAPACITOR 6.3V 22U	1	
C7314	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7315	ECEA1EKA4R7	E. CAPACITOR 25V 4.7U	1	
C7317.18	ECUX1H040CCV	C. CAPACITOR CH 50V 4P	2	
C7320	ECEAOJKA101	E. CAPACITOR 6.3V 100U	1	
C7321	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7322	ECEA1EKA4R7	E. CAPACITOR 25V 4.7U	1	
C7323.24	ECUX1H391JCV	C. CAPACITOR CH 50V 390P	2	
C7325.26	ECEA1CKA100	E. CAPACITOR 16V 10U	2	
C7327	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7328	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7329.30	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	2	
C7331	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7332.33	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C7334	ECEAOJKA101	E. CAPACITOR 6.3V 100U	1	
C7335	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7338	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7339	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7340	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7341	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7342	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7343	ECEA1HKA010	E. CAPACITOR 50V 1U	1	
C7344	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7345	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7346	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7347	ECEA1CKA100	E. CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7348	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7350	ECEA1HKA010	E. CAPACITOR 50V 1U	1	
C7351	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7352	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7353	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7354	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7355	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7357	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7358	ECEA1HKA3R3	E. CAPACITOR 50V 3.3U	1	
C7359	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7365, 66	ECEA1HKA010	E. CAPACITOR 50V 1U	2	
C7369	ECEA0JKA470	E. CAPACITOR 6.3V 47U	1	
C7370	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7371, 72	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C7375	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
C7604	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7605	VCEA1CCB101	E. CAPACITOR 16V 100U	1	
C7606	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7607	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7608	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7609	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7614	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7617	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C7618	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7701	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7702	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C7704	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C7705	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7706, 07	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	2	
C7709	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C7715-17	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	3	
D1001	MA4051-L	DIODE	1	
D1002	MA4120-M	DIODE	1	
D1003-05	1SS254	DIODE	3	
D1006	MA4051-M	DIODE	1	
D1007, 08	1SS254	DIODE	2	
D1009	MA4150-M	DIODE	1	
D1010	MA723-VT	DIODE	1	
D2001	1SS254	DIODE	1	
D2508	MA723-VT	DIODE	1	
D3001	1SS283	DIODE	1	
D3003	1SS254	DIODE	1	
D3004	MA723-VT	DIODE	1	
D3005	MA151WA	DIODE	1	
D3012, 13	1SS254	DIODE	2	
D3017	1SS254	DIODE	1	
D4504	1SS254	DIODE	1	
D6001	SIR505S	DIODE	1	
D6003, 04	1SS355	DIODE	2	
D7001	MA4180	DIODE	1	
D7301	MA3082-L	DIODE	1	
D7302	MA151K	DIODE	1	
D7303	MA151WK	DIODE	1	
D7304	MA717	DIODE	1	
D7306	MA151K	DIODE	1	
D7601	MA4300-M	DIODE	1	
DP7001	VSL0499	DISPLAY TUBE	1	
FL7301, 02	VLF0633	FILTER	2	
IC0701	LA7576	IC	1	
IC2501	AN3811NK	IC	1	
IC3001	AN3501NFBP	IC	1	
IC3002	MC14053BF	IC	1	
IC3003	TL8849AP	IC	1	
IC4001	NJM4558M	IC	1	
IC4501	BH7778AK	IC	1	
IC6001	MN675567VRWD	IC	1	
IC6002	PST7043	IC	1	
IC6003	PST7028	IC	1	
IC6004	PNA4611M02VT	IR RECEIVER UNIT	1	
IC6005, 06	RP1354N	IC	2	
IC6007	S-29355ADP	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC7001	M35500FP	FIP DRIVE IC	1	
IC7301	MSP3410B-F7	IC	1	
IC7302	PST7043	IC	1	
IC7303	M5238FP	IC	1	
IC7304	HA17431PA	IC	1	
IC7305	MN155402VZDB	IC	1	
IC7306	PST7043	IC	1	
IC7701	LC783WVAP	OSD IC	1	
⚠ IP1001, 02	UNH0000300A	IC PROTECTOR	2	
JK3001	VJJ0559	RCA PINJACK 6P	1	
K0702	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K0704, 05	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
K3003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K3006	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0.	1	
K4004, 05	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K4008	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4502-06	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	5	
K6003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K7304-07	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	4	
K7314	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K7317	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K7610	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
L0701	VLQ0163JR39	COIL 0.39UH	1	
L0705	VLQ0163J5R6	COIL 5.6UH	1	
L0706	VLQELO5S120K	COIL 12UH	1	
L3001	VLQ0599J680	COIL 68UH	1	
L3002	ELESE120JA	INDUCTOR 12UH	1	
L3003	VLQ0599J220	COIL 22UH	1	
L3004	VLQ0599J680	COIL 68UH	1	
L3006	VLQ0599J820	COIL 82UH	1	
L3007	VLQ0599J151	COIL 150UH	1	
L3012	VLQ0599J680	COIL 68UH	1	
L3014-16	VLQ0599J680	COIL 68UH	3	
L3018	VLQ0599J151	COIL 150UH	1	
L4001	VLQELO7F153J	COIL 15000UH	1	
L4003	ELESN471KA	INDUCTOR 470UH	1	
L6003	VLQ0599J220	COIL 22UH	1	
L7001	VLQ0599J220	COIL 22UH	1	
L7301	ELEXH100JBV	INDUCTOR 10UH	1	
L7302	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
L7602	VLQ0599JR27	COIL 0.27UH	1	
L7603-06	VLQ0599J680	COIL 68UH	4	
L7609	VLQ0599J1R0	COIL 1UH	1	
L7610-12	VLQ0599JR27	COIL 0.27UH	3	
L7702, 03	VLQ0599J330	COIL 33UH	2	
LB6001, 02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P	1	
P2001	VJP3835A012	CONNECTOR (MALE) 12P	1	
P2501	VJP1236T	CONNECTOR (MALE) 9P	1	
P4001	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P4007	VJP3630A014G	CONNECTOR (MALE) 14P	1	
P6002	VJS3905	DEW SENSOR CONNECTOR	1	
P6003	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
PK0701	VJR0816E010W	CONNECTOR (MALE) 10P	1	
PK4501	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PK4502, 03	VJR0777B010W	CONNECTOR (MALE) 10P	2	
PK7301	VJR0777B009W	CONNECTOR (MALE) 9P	1	
PK7302	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P	1	
PP3001, 02	VJS3932A008W	CONNECTOR (FEMALE) 8P	2	
Q0701	MSD601-S	TRANSISTOR	1	
Q0702	MSB709-R	TRANSISTOR	1	
Q1001	MSD1328	TRANSISTOR	1	
Q1002	2SD2544QPQA	TRANSISTOR	1	
Q1003	2SD2259	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1004	2SD2644OPQA	TRANSISTOR	1	
Q1005	2SD1991	TRANSISTOR	1	
Q1009	MSD1328	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3008	MSC2295	TRANSISTOR	1	
Q3009	2SD601A	TRANSISTOR	1	
Q4002	MSD602	TRANSISTOR	1	
Q4003	MSB710	TRANSISTOR	1	
Q4005	2SD1149	TRANSISTOR	1	
Q4006	2SD601A	TRANSISTOR	1	
Q4007, 08	MSD601-R	TRANSISTOR	2	
Q4501	2SD1468	TRANSISTOR	1	
Q4551	2SA1515	TRANSISTOR	1	
Q6002	PNB2301MAV	TRANSISTOR	1	
Q6003	PNB2301MBV	TRANSISTOR	1	
Q7301, 02	2SD1996	TRANSISTOR	2	
Q7304	2SC2404	TRANSISTOR	1	
Q7305	MSD601-S	TRANSISTOR	1	
Q7308-10	2SB709A	TRANSISTOR	3	
Q7311-13	MSD1328-S	TRANSISTOR	3	
Q7601	2SB709A	TRANSISTOR	1	
Q7701	MSC2295	TRANSISTOR	1	
Q7702	2SD601A	TRANSISTOR	1	
QR1001	MUN2211	TRANSISTOR-RESISTOR	1	
QR3002	MUN2212	TRANSISTOR-RESISTOR	1	
QR3003, 04	DTC363EK	TRANSISTOR-RESISTOR	2	
QR3006	MUN2213	TRANSISTOR-RESISTOR	1	
QR3009	MUN2213	TRANSISTOR-RESISTOR	1	
QR3016, 17	MUN2213	TRANSISTOR-RESISTOR	2	
QR4002	MUN2211	TRANSISTOR-RESISTOR	1	
QR4003	MUN2213	TRANSISTOR-RESISTOR	1	
QR4004	MUN2111	TRANSISTOR-RESISTOR	1	
QR4651, 52	UN5213	TRANSISTOR-RESISTOR	2	
QR7301	MUN2213	TRANSISTOR-RESISTOR	1	
QR7302	MUN2112	TRANSISTOR-RESISTOR	1	
QR7601	MUN2213	TRANSISTOR-RESISTOR	1	
QR7701	MUN2113	TRANSISTOR-RESISTOR	1	
R0702	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R0704	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R0705	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R0706, 07	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
R0708	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R0709	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R0710	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R0713	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R0714	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R0715	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R0716	VRE0040E151	M. RESISTOR CH 1/10W 150	1	
R0717	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R0718	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0719	ERJ6GFYF822	M RESISTOR CH 1/10W 8.2K	1	
R0720	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0722	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R0728	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0729	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0732	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0783	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R1002	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R1003	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1004	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R1005	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1006	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R1007, 08	ERDS1TJ471	C. RESISTOR 1/2W 470	2	
R1009	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R2002	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R2003	ERJ6GMYJ274	M. RESISTOR CH 1/10W 270K	1	
R2009	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R2014	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R2501	ERDS2TJ330	C. RESISTOR 1/4W 33	1	
R2504	ERDS1TJ1R5	C. RESISTOR 1/2W 1.5	1	
R2505	ERDS1TJ1R2	C. RESISTOR 1/2W 1.2	1	
R2506, 07	ERDS2TJ330	C. RESISTOR 1/4W 33	2	
R3001	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3002, 03	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	2	
R3004	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3005	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3006	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3007	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3008	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3009	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R3010	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3011	ERJ6GMYJ125	M. RESISTOR CH 1/10W 1.2M	1	
R3012	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3013	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3014	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3015	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3016	ERJ6GMYG221	M. RESISTOR CH 1/10W 220	1	
R3017	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3019	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3020	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R3021	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3022	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3025	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3026	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3030	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R3032	ERJ6GMYG154	M. RESISTOR CH 1/10W 150K	1	
R3034	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3036	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3037	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3041	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R3043	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3046	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R3047	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3048	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R3049, 50	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R3051	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R3052	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3053	ERJ6GMYG183	M. RESISTOR CH 1/10W 18K	1	
R3057	ERJ6GMYG103	M RESISTOR CH 1/10W 10K	1	
R3059	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3060	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3061	ERJ6GMYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3077	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4001	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R4002	ERJ6GMYJ241	M. RESISTOR CH 1/10W 240	1	
R4003	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4004	ERJ6GMYG334	M. RESISTOR CH 1/10W 330K	1	
R4005	ERJ6GMYJ163	M. RESISTOR CH 1/10W 16K	1	
R4006	ERJ6GMYG331	M. RESISTOR CH 1/10W 330	1	
R4007	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R4008	ERJ6GMYG822	M. RESISTOR CH 1/10W 8.2K	1	
R4009	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R4010	ERJ6GFYF333	M RESISTOR CH 1/10W 33K	1	
R4011	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R4012	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4013	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4014	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4015	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4016	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4017	ERJ6GMYJ391	M. RESISTOR CH 1/10W 390	1	
R4019	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4020	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R4023	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4024	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4025	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4027	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4030	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4031	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4034	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4037	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4038	ERG2SJ821	M. RESISTOR 2W 820	1	
R4039	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
R4040	ERJ6GMYG153	M. RESISTOR CH 1/10W 15K	1	
R4041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R4042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4043	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4044	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4045	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R4046	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4050, 51	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
R4052	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4059	FRJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R4503	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4504	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4508	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4512	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R4513	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4517, 18	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
R4519, 20	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4522	ERJ3GEYK225	M. RESISTOR CH 1/16W 2.2M	1	
R4528	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R4529	ERJ3GEYG562	M. RESISTOR CH 1/16W 5.6K	1	
R4530	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4534	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4542	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4562	ERJ3RBD912	M. RESISTOR CH 1/16W 9.1K	1	
R4563	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R4584	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4585	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R4586	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4601	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4603, 04	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4605	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R4606	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R4607	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4608	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	
R4621	ERJ6GEYJ363	M. RESISTOR CH 1/10W 36K	1	
R4623	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R4624	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4641, 42	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4663, 64	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4695	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4697	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R4698	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R4704	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R6003	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6004	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6005	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6006	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6007	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6008	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6011	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6012	ERDS2TJ121	C. RESISTOR 1/4W 120	1	
R6013	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R6014	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6015	ERJ6GMYJ244	M. RESISTOR CH 1/10W 240K	1	
R6016	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R6017	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6018	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6019	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R6021	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6027	ERJ6GMYJ181	M. RESISTOR CH 1/10W 180	1	
R6028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6032-37	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	6	
R6041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R6042-44	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	
R6045	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6047	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6049-51	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	
R6052-54	ERJ6GMYG333	M. RESISTOR CH 1/10W 33K	3	
R6055	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6056	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6057	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6059	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6060	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R6061	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6062	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
R6063	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6067-69	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6073	ERJ6GMYJ105	M. RESISTOR CH 1/10W 1M	1	
R6086, 87	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R6091	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6093	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6095, 96	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7001	ERDS2TJ5R6	C. RESISTOR 1/4W 5.6	1	
R7002, 03	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R7005	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R7007	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R7009, 10	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	2	
R7011	ERJ6GMYG822	M. RESISTOR CH 1/10W 8.2K	1	
R7012, 13	ERJ6GMYG202	M. RESISTOR CH 1/10W 2K	2	
R7014	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7016	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7018	ERJ6GMYG363	M. RESISTOR CH 1/10W 36K	1	
R7019	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R7021	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R7022	ERJ6GMYG182	M. RESISTOR CH 1/10W 1.8K	1	
R7023, 24	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R7025, 26	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	2	
R7027, 28	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7029	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R7301	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R7302	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R7303	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R7308	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	1	
R7309, 10	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	2	
R7311	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R7312	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R7313, 14	ERJ3GEYG272	M. RESISTOR CH 1/16W 2.7K	2	
R7315	ERJ3GEYJ114	M. RESISTOR CH 1/16W 110K	1	
R7316	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R7317	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R7320	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R7321-23	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	3	
R7324	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R7325	ERJ3GEYG122	M. RESISTOR CH 1/16W 1.2K	1	
R7326	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R7327-29	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	3	
R7330	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7332	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R7333	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R7334-36	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	3	
R7337	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7339	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R7341-43	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	3	
R7344	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R7346	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R7350	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R7351	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R7352-56	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	5	
R7357	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R7362	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R7366	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R7367	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R7368, 69	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R7370	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R7371	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R7376, 77	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	
R7378	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R7379	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7380	ERJ3GEYG302	M. RESISTOR CH 1/16W 3K	1	
R7381	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7382	ERJ3GEYG302	M. RESISTOR CH 1/16W 3K	1	
R7383	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7384	ERJ3GEYG302	M. RESISTOR CH 1/16W 3K	1	
R7601, 02	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R7603	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R7604	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7605	ERG2SJ331	M. RESISTOR 2W 330	1	
R7606, 07	ERJ6GMYG151	M. RESISTOR CH 1/10W 150	2	
R7608, 09	ERJ6GMYJ683	M. RESISTOR CH 1/10W 68K	2	
R7610	ERG2SJ331	M. RESISTOR 2W 330	1	
R7611	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
R7613-15	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7701.02	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	2	
R7703	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R7704	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R7705	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R7706	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R7707	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
S6001	VESO834	S-TAB SWITCH	1	
S6002	VSSO520	MODE SELECT SWITCH	1	
S7001.02	EVQ11L07B	SWITCH	2	
S7007.08	EVQ11L07B	SWITCH	2	
S7601	VSSO530	AV SELECT SWITCH	1	
T0703	EQV5EG071A	TRANSFORMER	1	
T0704	EQV5EG072A	TRANSFORMER	1	
T4002	EQQ7QF024Q	TRANSFORMER	1	
VR0701	EVNCBAAC0B24	V.RESISTOR 20K	1	
VR4501	EVMEGSAC0BS3	V.RESISTOR 6.8K	1	
VR4509	EVMECSAC0B53	V.RESISTOR 5K	1	
VR4550	EVMECSAC0B14	V.RESISTOR 10K	1	
VR4651.52	EVMECSAC0B25	V.RESISTOR 200K	2	
X0703	EFCS5R5MW5	CERAMIC FILTER	1	
X0704	VLF1035	FILTER	1	
X3001	VSX0162	CRYSTAL OSCILLATOR	1	
X3002	VSX0160	CRYSTAL OSCILLATOR	1	
X6001	VSX0830	CRYSTAL OSCILLATOR	1	
X6002	VSX0660	CRYSTAL OSCILLATOR	1	
X7001	VSX0339	CRYSTAL OSCILLATOR	1	
X7302	VSX0877	CRYSTAL OSCILLATOR	1	
X7303	EFOEC4004A4	CERAMIC OSCILLATOR	1	
ZA3001	VSC4680	SHIELD COVER	1	
ZB7001	VXQ0648	FIP HOLDER	1	
		MISCELLANEOUS		
⚠	ENG47262G	TUNER	1	
	VSC3553	SHIELD COVER (MAIN)	1	FOR DECODER C.B.A.
	VSC4576	SHIELD COVER (TOP)	1	FOR DECODER C.B.A.
	VSC3555	SHIELD COVER (BOTTOM)	1	FOR DECODER C.B.A.
	VMT0784	SPACER	1	FOR DECODER C.B.A.
	VMP4471	TV DEMODULATOR ANGLE	1	FOR TV DEMODU. C.B.A.
■	VEP06G05G	MAIN C.B.A.		(RTL)
				NV-HD670A
C0701.02	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C0704	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C0706	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C0707.08	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C0709	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C0710	ECUX1H470JPV	C.CAPACITOR CH 50V 47P	1	
C0711	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C0712	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0714	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C0715	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C0716	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C0717	ECUX1H270JPV	C.CAPACITOR CH 50V 27P	1	
C0718	ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C0719	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C0720	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0723	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C0726	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0730	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0732	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C1001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1002	VCEA0JCB220	E.CAPASITOR 6.3V 22U	1	
C1003	VCEA1ECB470	E.CAPACITOR 25V 47U	1	
C1004	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C1005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1006	VCEA1CEC470	E.CAPACITOR 16V 47U	1	
C1007	VCEA1CEC101	E.CAPACITOR 16V 100U	1	
C1008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1009	VCEA1EJC470	E.CAPACITOR 25V 47U	1	
C1010	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C1011	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1012	VCEA0JBS470	E.CAPASITOR 6.3V 47U	1	
C1013	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2009	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C2010	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2011	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2012	ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2013	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2014	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	
C2015	VCEA1HCB4R7	E.CAPACITOR 50V 4.7U	1	
C2016	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2017	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C2018	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2021	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C2501	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	1	
C2504-06	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2507	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1	
C2508	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	
C2509	VCEA1ECB470	E.CAPACITOR 25V 47U	1	
C2514.15	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	2	
C3001	ECUX1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3002	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3003	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3004	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3005	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3006	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3007	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3008	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3009	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3011	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C3012	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3016	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3017.18	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3019	VCEA0JCB220	E.CAPASITOR 6.3V 22U	1	
C3020	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3021	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3022	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3023	VCEA1CCB100	E.CAPACITOR 16V 10U	1	
C3024	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3025	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3026	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3027	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3028	VCEA1CCB100	E.CAPACITOR 16V 10U	1	
C3029	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3030	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3031	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3032	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3033	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3034	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3035	ECUM1H040CCN	C.CAPACITOR CH 50V 4P	1	
C3036	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3037	VCEA0JEC471	E.CAPASITOR 6.3V 470U	1	
C3040,41	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	2	
C3042,43	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3044	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3045	VCEA0JCB470	E.CAPASITOR 6.3V 47U	1	
C3046	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3049-51	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C3052	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3053	ECUM1E223KBN	C.CAPACITOR CH 25V 0.022U	1	
C3054	VCEA0JCB220	E.CAPASITOR 6.3V 22U	1	
C3055	VCEA1HCB2R2	E.CAPACITOR 50V 2.2U	1	
C3056	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3057	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	
C3058	ECUM1E223KBN	C.CAPACITOR CH 25V 0.022U	1	
C3059-61	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3062	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3063	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3064	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3065	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3066	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3067	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3068	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3069	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3071	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C3072	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C3073	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C3074	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C3076	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3080	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C3081	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C3089, 90	VCEA0JCB330	E. CAPASITOR 6.3V 33U	2	
C3092	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3093	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C4001	ECUM1H182JCN	C. CAPACITOR CH 50V 1800P	1	
C4002	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4003	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4004	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4005	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4006	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C4007	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4008	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4009	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4010	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4011	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4012	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4015	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4016	EGKF1H102KB	C. CAPACITOR 50V 1000P	1	
C4017	ECUX1E273KBN	C. CAPACITOR CH 25V 0.027U	1	
C4018	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C4019	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4020	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C4021	ECQV1H154JM	P. CAPACITOR 50V 0.15U	1	
C4022	ECUM1H272KBN	C. CAPACITOR CH 50V 2700P	1	
C4023	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C4024	ECQB1H333KF	P. CAPACITOR 50V 0.033U	1	
C4025	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C4026	ECUM1H223KBN	C. CAPACITOR CH 50V 0.022U	1	
C4027, 28	VCEA0JCB470	E. CAPASITOR 6.3V 47U	2	
C4029, 30	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	2	
C4035	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4037	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4038	ECEA0JKA220	E. CAPACITOR 6.3V 22U	1	
C4078	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4501	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C4502	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4503	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4506	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4507	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4508	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4509	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4510	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4511	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4512	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4513	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C4514	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C4515	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4521	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4522	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4530	ECA0JAK470X	E. CAPACITOR 6.3V 47U	1	
C4533	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4537	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C4538	ECA1HAKR47X	E. CAPACITOR 50V 0.47U	1	
C4541	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4551	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4556	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4558	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4559	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4560	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4561	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4562	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4565	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4569	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4572	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4576	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4585, 86	ECA0JAK101X	E. CAPACITOR 6.3V 100U	2	
C4587	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4591	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4592	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4673	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4674	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4676	ECA1VAK470X	E. CAPACITOR 35V 47U	1	
C4677	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C5005	ECEA1HKA3R3	E. CAPACITOR 50V 3.3U	1	
C5006	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C5007-09	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	3	
C5012, 13	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C5014	ECEA0JKS470	E. CAPACITOR 6.3V 47U	1	
C5015, 16	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6001, 02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6003	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C6004	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6005	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6006	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C6007	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6008	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
C6009	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6010	VCE0073	SUPER CAPACITOR	1	
C6011	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C6012	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6014	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C6016	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6017-19	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6020	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C6022	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6023	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C6026-28	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6030	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6032	VCEA1HCB3R3	E. CAPACITOR 50V 3.3U	1	
C6034	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6036	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C7003	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7004	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7005	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7302	ECEA1HKNZR2	E. CAPACITOR 50V 2.2U	1	
C7304	ECEA1HKN2R2	E. CAPACITOR 50V 2.2U	1	
C7308	ECUM1H181JCN	C. CAPACITOR CH 50V 180P	1	
C7309	ECUM1H152KBN	C. CAPACITOR CH 50V 1500P	1	
C7310	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7311	ECEA1CKA101	E. CAPACITOR 16V 100U	1	
C7312	ECQB1H103JZ	P. CAPACITOR 50V 0.01U	1	
C7313	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C7314, 15	ECQB1H103J7	P. CAPACITOR 50V 0.01U	2	
C7320, 21	ECEA1CKA100	E. CAPACITOR 16V 10U	2	
C7323-25	ECUM1H153KBM	C. CAPACITOR CH 50V 0.015U	3	
C7326	ECEA1CKN100	E. CAPACITOR 16V 10U	1	
C7328	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7330	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7332, 33	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	2	
C7337	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7339	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7340	ECUM1H390JPN	C. CAPACITOR CH 50V 39P	1	
C7341	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C7345	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7346	ECUM1H390JPN	C. CAPACITOR CH 50V 39P	1	
C7347	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C7349, 50	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	2	
C7352	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7353	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7601	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7602, 03	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C7604	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7605	VCEA1CCB101	E. CAPACITOR 16V 100U	1	
C7606	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7607	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7608	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7609	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7614	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7701	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7702	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7704	VCEA1HCB2R2	E.CAPACITOR 50V 2.2U	1	
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7706,07	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C7709	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C7715-17	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
D1001	MA4051-L	DIODE	1	
D1002	MA4120-M	DIODE	1	
D1003-05	1SS254	DIODE	3	
D1006	MA4051-M	DIODE	1	
D1007,08	1SS254	DIODE	2	
D1009	MA4150-M	DIODE	1	
D1010	MA723-VT	DIODE	1	
DZ001	1SS254	DIODE	1	
D2508	MA723-VT	DIODE	1	
D3001	1SS283	DIODE	1	
D3003	1SS254	DIODE	1	
D3004	MA723-VT	DIODE	1	
D3005	MA151WA	DIODE	1	
D3012-14	1SS254	DIODE	3	
D3017	1SS254	DIODE	1	
D4002,03	1SS254	DIODE	2	
D4504	1SS254	DIODE	1	
D6001	SIR505S	DIODE	1	
DG003,04	1SS355	DIODE	2	
D7001	MA4180	DIODE	1	
D7304	MA29T-B	DIODE	1	
D7305	1SS254	DIODE	1	
D7307	MA151K	DIODE	1	
D7601	MA4300-M	DIODE	1	
DP7001	VSL0499	DISPLAY TUBE	1	
IC0701	LA7576	IC	1	
IC2501	AN3811NK	IC	1	
IC3001	AN3501NFBP	IC	1	
IC3002	MC14053BF	IC	1	
IC3003	TL8849AP	IC	1	
IC4001	NJM4558M	IC	1	
IC4501	BH7778AK	IC	1	
IC6001	MN675567VRWD	IC	1	
IC6002	PST7043	IC	1	
IC6003	PST7028	IC	1	
IC6004	PNA4611M02VT	IR RECEIVER UNIT	1	
IC6005,06	RP1354N	IC	2	
IC6007	S-29355ADP	IC	1	
IC7001	M35500FP	FIP DRIVE IC	1	
IC7301	TDA9845	IC	1	
IC7302	TA8721SN	IC	1	
IC7701	LC783WVAP	OSD IC	1	
⚠ IP1001,02	UNH000300A	IC PROTECTOR	2	
JK3001	VJJ0559	RCA PINJACK 6P	1	
K0702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
K0704,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K4002,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	
K4005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K4008	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K4502-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
K6003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
K7315	ERJ3GEYG302	M.RESISTOR CH 1/16W 3K	1	
K7316	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K7604	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K7610	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
K7614	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
L0701	VLQ0163JR39	COIL 0.39UH	1	
L0705	VLQ0163J5R6	COIL 5.6UH	1	
L0706	VLQEL05S120K	COIL 12UH	1	
L3001	VLQ0599J680	COIL 68UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3002	ELESE120JA	INDUCTOR 12UH	1	
L3003	VLQ0599J220	COIL 22UH	1	
L3004	VLQ0599J680	COIL 68UH	1	
L3006	VLQ0599J820	COIL 82UH	1	
L3007	VLQ0599J151	COIL 150UH	1	
L3012	VLQ0599J680	COIL 68UH	1	
L3014-16	VLQ0599J680	COIL 68UH	3	
L3018	VLQ0599J151	COIL 150UH	1	
L4001	VLQEL07F153J	COIL 15000UH	1	
L4003	FLFSN471KA	INDUCTOR 470UH	1	
L4026	ELESE101KA	INDUCTOR 100UH	1	
L5001	VLQ0599J680	COIL 68UH	1	
L5002,03	VLQ0599J270	COIL 27UH	2	
L5004	VLQ0599J150	COIL 15UH	1	
L6003	VLQ0599J220	COIL 22UH	1	
L7001	VLQ0599J220	COIL 22UH	1	
L7602-06	VLQ0599J680	COIL 68UH	5	
L7609	VLQ0599J1R0	COIL 1UH	1	
L7702,03	VLQ0599J330	COIL 33UH	2	
LB6001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P	1	
P2001	VJP3835A012	CONNECTOR (MALE) 12P	1	
P2501	VJP1236T	CONNECTOR (MALE) 9P	1	
P4001	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P4007	VJP3630A014G	CONNECTOR (MALE) 14P	1	
P5001	VJR0777B005W	CONNECTOR (MALE) 5P	1	
P6002	VJS3905	DEW SENSOR CONNECTOR	1	
P6003	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P7001	VJP3630A014G	CONNECTOR (MALE) 14P	1	
PK0701	VJR0816E010W	CONNECTOR (MALE) 10P	1	
PK4501	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PK4502,03	VJR0777B010W	CONNECTOR (MALE) 10P	2	
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P	1	
PK7302	VJR0777B005W	CONNECTOR (MALE) 5P	1	
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P	1	
PP3001,02	VJS3932A008W	CONNECTOR (FEMALE) 8P	2	
Q0701	MSD601-S	TRANSISTOR	1	
Q0702	MSB709-R	TRANSISTOR	1	
Q1001	MSD1328	TRANSISTOR	1	
Q1002	2SD2544POA	TRANSISTOR	1	
Q1003	2SD2259	TRANSISTOR	1	
Q1004	2SD2544POA	TRANSISTOR	1	
Q1005	2SD1991	TRANSISTOR	1	
Q1009	MSD1328	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3002	XN1401	TRANSISTOR-TRANSISTOR	1	
Q3003	2SD601A	TRANSISTOR	1	
Q3008	MSC2295	TRANSISTOR	1	
Q3009	2SD601A	TRANSISTOR	1	
Q4002	MSD602	TRANSISTOR	1	
Q4003	MSB710	TRANSISTOR	1	
Q4004	2SD1992A	TRANSISTOR	1	
Q4005	2SD1149	TRANSISTOR	1	
Q4006	2SD601A	TRANSISTOR	1	
Q4007,08	MSD601-R	TRANSISTOR	2	
Q4009	MSB710	TRANSISTOR	1	
Q4501	2SD1468	TRANSISTOR	1	
Q4551	2SA1515	TRANSISTOR	1	
Q5001	MSB709	TRANSISTOR	1	
Q5002	MSD601	TRANSISTOR	1	
Q5003	2SA1022	TRANSISTOR	1	
Q5005	XN1501	TRANSISTOR RESISTOR	1	
Q5006	MSB709	TRANSISTOR	1	
Q5007	MSC2295	TRANSISTOR	1	
Q5008	MSB709	TRANSISTOR	1	
Q5009-13	MSC2295	TRANSISTOR	5	
Q6002	PNB2301MAV	TRANSISTOR	1	
Q6003	PNB2301MBV	TRANSISTOR	1	
Q7301	MSD601-S	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q7601	2SB709A	TRANSISTOR	1	
Q7701	MSC2295	TRANSISTOR	1	
Q7702	2SD601A	TRANSISTOR	1	
QR1001	MUN2211	TRANSISTOR-RESISTOR	1	
QR2001	MUN2212	TRANSISTOR-RESISTOR	1	
QR3002	MUN2212	TRANSISTOR-RESISTOR	1	
QR3003, 04	DTC363EK	TRANSISTOR-RESISTOR	2	
QR3006	MUN2213	TRANSISTOR-RESISTOR	1	
QR3008-10	MUN2213	TRANSISTOR-RESISTOR	3	
QR3016, 17	MUN2213	TRANSISTOR-RESISTOR	2	
QR3018	UN2215	TRANSISTOR-RESISTOR	1	
QR3019	MUN2213	TRANSISTOR-RESISTOR	1	
QR4002	MUN2211	TRANSISTOR-RESISTOR	1	
QR4003	MUN2213	TRANSISTOR-RESISTOR	1	
QR4004	MUN2111	TRANSISTOR-RESISTOR	1	
QR4651, 52	UN5213	TRANSISTOR-RESISTOR	2	
QR7304	MUN2213	TRANSISTOR-RESISTOR	1	
QR7601	MUN2213	TRANSISTOR-RESISTOR	1	
QR7701	MUN2113	TRANSISTOR-RESISTOR	1	
R0702	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R0704	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R0705	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R0706, 07	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
R0708	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R0709	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R0710	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R0713	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R0714	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R0715	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R0716	VRE0040E151	M. RESISTOR CH 1/10W 150	1	
R0717	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R0718	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0719	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R0720	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0722	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R0728	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0729	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0732	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0783	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R1002	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R1003	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1004	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R1005	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1006	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R1007, 08	ERDS1TJ471	C. RESISTOR 1/2W 470	2	
R1009	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R2002	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R2003	ERJ6GMYJ274	M. RESISTOR CH 1/10W 270K	1	
R2009	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R2014	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R2501	ERDS2TJ330	C. RESISTOR 1/4W 33	1	
R2504	ERDS1TJ1R5	C. RESISTOR 1/2W 1.5	1	
R2505	ERDS1TJ1R2	C. RESISTOR 1/2W 1.2	1	
R2506, 07	ERDS2TJ330	C. RESISTOR 1/4W 33	2	
R3001	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3002, 03	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	2	
R3004	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3005	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3006	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3007	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3008	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3009	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R3010	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3011	ERJ6GMYJ125	M. RESISTOR CH 1/10W 1.2M	1	
R3012	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3013	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3014	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3015	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3016	ERJ6GMYG221	M. RESISTOR CH 1/10W 220	1	
R3017	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3019	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3020	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R3021	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3022	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3025	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3026	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3029	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3030	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R3032	ERJ6GMYG154	M. RESISTOR CH 1/10W 150K	1	
R3033	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3034	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3036	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3037	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3038	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R3039	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3041	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R3043	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3046	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R3047	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3048	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R3049, 50	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R3051	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R3052	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3053	ERJ6GMYG183	M. RESISTOR CH 1/10W 18K	1	
R3057	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3059	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3060	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3061	ERJ6GMYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3062	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3063	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3064	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R3065	ERJ6GMYG202	M. RESISTOR CH 1/10W 2K	1	
R3066	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3077	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4001	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R4002	ERJ6GMYJ241	M. RESISTOR CH 1/10W 240	1	
R4003	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4004	ERJ6GMYG334	M. RESISTOR CH 1/10W 330K	1	
R4005	ERJ6GMYJ163	M. RESISTOR CH 1/10W 16K	1	
R4006	ERJ6GMYG331	M. RESISTOR CH 1/10W 330	1	
R4007	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R4008	ERJ6GMYG822	M. RESISTOR CH 1/10W 8.2K	1	
R4009	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R4010	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R4011	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R4012	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4013	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4014	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4015	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4016	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4017	ERJ6GMYJ391	M. RESISTOR CH 1/10W 390	1	
R4019	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4020	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R4023	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4024	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4025	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4027	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4028	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4029	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R4030	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4031	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4034	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4037	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4038	ERG2SJ821	M. RESISTOR 2W 820	1	
R4039	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
R4040	ERJ6GMYG153	M. RESISTOR CH 1/10W 15K	1	
R4041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R4042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4043	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4044	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4045	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R4046	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4050, 51	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	2	
R4052	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4058	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4059	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R4503	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4504	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4508	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4512	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R4513	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4517, 18	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
R4519, 20	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4522	ERJ3GEYK225	M. RESISTOR CH 1/16W 2.2M	1	
R4528	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R4529	ERJ3GEYG562	M. RESISTOR CH 1/16W 5.6K	1	
R4530	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4534	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4542	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4562	ERJ3RBD912	M. RESISTOR CH 1/16W 9.1K	1	
R4563	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R4584	ERJ3GFYJ103	M. RESISTOR CH 1/16W 10K	1	
R4585	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R4586	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4601	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4603, 04	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4605	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R4606	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R4607	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4608	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	
R4621	ERJ6GEYJ363	M. RESISTOR CH 1/10W 36K	1	
R4623	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R4624	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4641, 42	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4663, 64	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4695	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4697	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R4698	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R4704	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R5003	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R5004	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R5005	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R5006	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R5007	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R5012	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R5013	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R5014	ERJ6GMYG223	M. RESISTOR CH 1/10W 22K	1	
R5016, 17	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R5018	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R5019	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R5020	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R5021, 22	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	2	
R5023	ERJ6GMYG391	M. RESISTOR CH 1/10W 390	1	
R5025	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R5027	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R5028, 29	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R5030	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R5031	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6001	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6003	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6004	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6005	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6006	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6007	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6008	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6011	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6012	ERDS2TJ121	C. RESISTOR 1/4W 120	1	
R6013	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R6014	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6015	ERJ6GMYJ244	M. RESISTOR CH 1/10W 240K	1	
R6016	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R6017	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6018	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6019	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
R6021	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6027	ERJ6GMYJ181	M. RESISTOR CH 1/10W 180	1	
R6028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6029	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6032-37	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R6042-44	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	
R6045	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6047	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6049-51	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	
R6052-54	ERJ6GMYG333	M. RESISTOR CH 1/10W 33K	3	
R6055	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6056	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6057	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6059	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6060	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R6061	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6062	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
R6067-69	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	
R6073	ERJ6GMYJ105	M. RESISTOR CH 1/10W 1M	1	
R6086	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6091	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6093	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6095, 96	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7001	ERDS2TJ5R6	C. RESISTOR 1/4W 5.6	1	
R7002	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R7003	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R7004	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R7007	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R7012, 13	ERJ6GMYG202	M. RESISTOR CH 1/10W 2K	2	
R7018	ERJ6GMYG363	M. RESISTOR CH 1/10W 36K	1	
R7022	ERJ6GMYG182	M. RESISTOR CH 1/10W 1.8K	1	
R7025, 26	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	2	
R7027, 28	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7029	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R7302	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R7303	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R7304	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R7305	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R7307	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R7311	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7313	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R7320	ERJ3GEYG103	M. RESISTOR CH 1/10W 10K	1	
R7323	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R7324, 25	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	2	
R7326	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R7327	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R7328	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7329	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R7330	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7331	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R7336	ERJ6GEYJ471	M. RESISTOR CH 1/10W 470	1	
R7337	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R7345	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R7352, 53	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R7354, 55	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R7358, 59	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
R7362, 63	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R7601, 02	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R7603	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R7605	ERG2SJ331	M. RESISTOR 2W 330	1	
R7606, 07	ERJ6GMYG151	M. RESISTOR CH 1/10W 150	2	
R7608, 09	ERJ6GMYJ683	M. RESISTOR CH 1/10W 68K	2	
R7610	ERG2SJ331	M. RESISTOR 2W 330	1	
R7611	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R7612	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7613-15	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	
R7701, 02	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	2	
R7703	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R7704	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R7705	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R7706	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R7707	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
S6001	VES0834	S-TAB SWITCH	1	
S6002	VSS0520	MODE SELECT SWITCH	1	
S7601	VSS0531	AV SELECT SWITCH	1	
T0703	EQV5EC071A	TRANSFORMER	1	
T0704	EQV5EC072A	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
T4001	EQQ7QF025Q	TRANSFORMER	1	
T4002	EQQ7QF026Q	TRANSFORMER	1	
T7301	EQR7QG028P	TRANSFORMER	1	
T7304	EIS5EC017A	TRANSFORMER	1	
T7305	EQS5EC033A	TRANSFORMER	1	
VR0701	EVNCBAA00B24	V.RESISTOR 20K	1	
VR4501	EVMECSA00BS3	V.RESISTOR 6.8K	1	
VR4509	EVMECSA00B53	V.RESISTOR 5K	1	
VR4550	EVMECSA00B14	V.RESISTOR 10K	1	
VR4651, 52	EVMECSA00B25	V.RESISTOR 200K	2	
VR7301	EVNCBAA00B53	V.RESISTOR 5K	1	
X0703	EFCS5R5MW5	CERAMIC FILTER	1	
X0704	VLF1035	FILTER	1	
X3001	VSX0162	CRYSTAL OSCILLATOR	1	
X3002	VSX0160	CRYSTAL OSCILLATOR	1	
X6001	VSX0830	CRYSTAL OSCILLATOR	1	
X6002	VSX0660	CRYSTAL OSCILLATOR	1	
X7001	VSX0339	CRYSTAL OSCILLATOR	1	
X7301	EFCS5R5MS5	CERAMIC FILTER	1	
X7304	EFCS5R74MS5B	CERAMIC FILTER	1	
X7305	VSX0648	CRYSTAL OSCILLATOR	1	
ZA3001	VSC4680	SHIELD COVER	1	
ZB7001	VXQ0648	FIP HOLDER	1	
		MISCELLANEOUS		
⚠	ENG47263G	TUNER	1	
	VMP4894	SUPPORT ANGLE	1	FOR DECODER C.B.A.
	VMP4471	TV DEMODULATOR ANGLE	1	FOR TV DEMODU. C.B.A.
■	VEP06C05H	MAIN C.B.A.		(RTL)
				NV-HD670EA
C0701, 02	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C0704	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C0706	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C0707, 08	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C0709	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C0710	ECUX1H470JPV	C.CAPACITOR CH 50V 47P	1	
C0711	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C0712	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0714	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C0715	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C0716	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C0717	ECUX1H270JPV	C.CAPACITOR CH 50V 27P	1	
C0718	ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C0719	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C0720	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0723	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C0726	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0730	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C0732	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C1001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1002	VCEA0JGB220	E.CAPASITOR 6.3V 22U	1	
C1003	VCEA1ECB470	E.CAPACITOR 25V 47U	1	
C1004	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C1005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1006	VCEA1CEC470	E.CAPACITOR 16V 47U	1	
C1007	VCEA1CEG101	E.CAPACITOR 16V 100U	1	
C1008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1009	VCEA1EJC470	E.CAPACITOR 25V 47U	1	
C1010	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C1011	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1012	VCEA0JBS470	E.CAPASITOR 6.3V 47U	1	
C1013	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2009	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C2010	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2011	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2012	ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2013	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2014	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	
C2015	VCEA1HCB4R7	E.CAPACITOR 50V 4.7U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2016	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2017	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C2018	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2021	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C2501	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	1	
C2504-06	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2507	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1	
C2508	VCEA0JGB221	E.CAPASITOR 6.3V 220U	1	
C2509	VCEA1ECB470	E.CAPACITOR 25V 47U	1	
C2514, 15	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	2	
C3001	ECUX1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3002	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3003	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3004	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3005	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3006	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3007	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3008	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3009	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3011	VCEA0JCB101	E.CAPASITOR 6.3V 100U	1	
C3012	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3016	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3017, 18	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3019	VCEA0JGB220	E.CAPASITOR 6.3V 22U	1	
C3020	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3021	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3022	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3023	VCEA1CGB100	E.CAPACITOR 16V 10U	1	
C3024	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3025	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3026	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3027	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3028	VCEA1CGB100	E.CAPACITOR 16V 10U	1	
C3029	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3030	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3031	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3032	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3033	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3034	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3035	ECUM1H040CCN	C.CAPACITOR CH 50V 4P	1	
C3036	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3037	VCEA0JEG471	E.CAPASITOR 6.3V 470U	1	
C3040, 41	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	2	
C3042, 43	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3044	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3045	VCEA0JCB470	E.CAPASITOR 6.3V 47U	1	
C3046	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3048	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3049-51	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C3052	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3053	ECUM1E223KBN	C.CAPACITOR CH 25V 0.022U	1	
C3054	VCEA0JGB220	E.CAPASITOR 6.3V 22U	1	
C3055	VCEA1HGB2R2	E.CAPACITOR 50V 2.2U	1	
C3056	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3057	VCEA0JGB221	E.CAPASITOR 6.3V 220U	1	
C3058	ECUM1E223KBN	C.CAPACITOR CH 25V 0.022U	1	
C3059-61	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3062	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3063	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3064	VCEA0JCB221	E.CAPASITOR 6.3V 220U	1	
C3065	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3066	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3067	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3068	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3069	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3071	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3072	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C3073	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3074	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3076	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3080	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3081	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3089, 90	VCEA0JCB330	E. CAPASITOR 6.3V 33U	2	
C3092	VCEA1HCB2R2	E. CAPACITOR 50V 2.2U	1	
C3093	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C4001	ECUM1H182JCN	C. CAPACITOR CH 50V 1800P	1	
C4002	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4003	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4004	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4005	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4006	VCEA1HCB4R7	E. CAPACITOR 50V 4.7U	1	
C4007	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4008	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4009	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4010	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4011	VCEA0JCB220	E. CAPASITOR 6.3V 22U	1	
C4012	VCEA1HCB010	E. CAPACITOR 50V 1U	1	
C4015	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4016	ECKF1H102KB	C. CAPACITOR 50V 1000P	1	
C4017	ECUX1E273KBN	C. CAPACITOR CH 25V 0.027U	1	
C4018	ECUM1E223KBN	C. CAPACITOR CH 25V 0.022U	1	
C4019	ECUM1H822KBN	C. CAPACITOR CH 50V 8200P	1	
C4020	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C4021	ECQV1H154JM	P. CAPACITOR 50V 0.15U	1	
C4022	ECUM1H272KBN	C. CAPACITOR CH 50V 2700P	1	
C4023	ECUM1H472KBN	C. CAPACITOR CH 50V 4700P	1	
C4024	ECQB1H333KF	P. CAPACITOR 50V 0.033U	1	
C4025	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C4026	ECUM1H223KBN	C. CAPACITOR CH 50V 0.022U	1	
C4027, 28	VCEA0JCB470	E. CAPASITOR 6.3V 47U	2	
C4029, 30	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	2	
C4035	VCEA1CCB100	E. CAPACITOR 16V 10U	1	
C4037	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4038	ECEA0JKA220	E. CAPACITOR 6.3V 22U	1	
C4078	VCEA0JCB470	E. CAPASITOR 6.3V 47U	1	
C4501	ECUX1H681JCV	C. CAPACITOR CH 50V 680P	1	
C4502	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4503	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4506	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4507	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4508	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4509	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4510	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4511	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4512	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4513	ECUM1H681JCN	C. CAPACITOR CH 50V 680P	1	
C4514	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C4515	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4521	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4522	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4530	ECA0JAK470X	E. CAPACITOR 6.3V 47U	1	
C4533	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4537	ECUM1H102JCN	C. CAPACITOR CH 50V 1000P	1	
C4538	ECA1HAKR47X	E. CAPACITOR 50V 0.47U	1	
C4541	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4551	ECQB1H223JF	P. CAPACITOR 50V 0.022U	1	
C4556	ECA1CAK100X	E. CAPACITOR 16V 10U	1	
C4558	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4559	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C4560	ECQB1H103JF	P. CAPACITOR 50V 0.01U	1	
C4561	ECQB1H332JF	P. CAPACITOR 50V 3300P	1	
C4562	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C4565	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4569	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4572	ECA1HAK4R7X	E. CAPACITOR 50V 4.7U	1	
C4576	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C4585, 86	ECA0JAK101X	E. CAPACITOR 6.3V 100U	2	
C4587	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C4591	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4592	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4673	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C4674	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C4676	ECA1VAK470X	E. CAPACITOR 35V 47U	1	
C4677	ECA1CAK470X	E. CAPACITOR 16V 47U	1	
C5005	ECEA1HKA3R3	E. CAPACITOR 50V 3.3U	1	
C5006	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	1	
C5007-09	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5012, 13	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C5014	ECEA0JKS470	E. CAPACITOR 6.3V 47U	1	
C5015, 16	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6001, 02	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	2	
C6003	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C6004	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6005	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6006	ECUM1H220JCN	C. CAPACITOR CH 50V 22P	1	
C6007	ECUM1H150JCN	C. CAPACITOR CH 50V 15P	1	
C6008	ECUM1H080DCN	C. CAPACITOR CH 50V 8P	1	
C6009	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6010	VCE0073	SUPER CAPACITOR	1	
C6011	VCEA0JCB221	E. CAPASITOR 6.3V 220U	1	
C6012	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C6014	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	1	
C6016	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6017-19	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6020	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	1	
C6022	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C6023	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C6026-28	ECUM1H221JCN	C. CAPACITOR CH 50V 220P	3	
C6030	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6032	VCEA1HCB3R3	E. CAPACITOR 50V 3.3U	1	
C6034	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6036	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	1	
C7003	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7004	VCEA0JCB101	E. CAPASITOR 6.3V 100U	1	
C7005	VCEA1HCB100	E. CAPACITOR 50V 10U	1	
C7301, 02	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C7303	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7304	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7305	ECEA1CKA220	E. CAPACITOR 16V 22U	1	
C7306	ECUX1H391JCV	C. CAPACITOR CH 50V 390P	1	
C7309-12	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	4	
C7313	ECEA0JKA220	E. CAPACITOR 6.3V 22U	1	
C7314	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7315	ECEA1EKA4R7	E. CAPACITOR 25V 4.7U	1	
C7317, 18	ECUX1H040CCV	C. CAPACITOR CH 50V 4P	2	
C7320	ECEA0JKA101	E. CAPACITOR 6.3V 100U	1	
C7321	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C7322	ECEA1EKA4R7	E. CAPACITOR 25V 4.7U	1	
C7323, 24	ECUX1H391JCV	C. CAPACITOR CH 50V 390P	2	
C7325, 26	ECEA1CKA100	E. CAPACITOR 16V 10U	2	
C7327	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7328	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C7329, 30	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	2	
C7331	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7332, 33	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C7334	ECEA0JKA101	E. CAPACITOR 6.3V 100U	1	
C7335	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7338	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7339	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7340	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7341	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7342	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7343	ECEA1HKA010	E. CAPACITOR 50V 1U	1	
C7344	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7345	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7346	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7347	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7348	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7350	ECEA1HKA010	E. CAPACITOR 50V 1U	1	
C7351	ECUM1H471JCN	C. CAPACITOR CH 50V 470P	1	
C7352	ECUM1H182KBM	C. CAPACITOR CH 50V 1800P	1	
C7353	ECUM1H270JCN	C. CAPACITOR CH 50V 27P	1	
C7354	ECEA1CKA100	E. CAPACITOR 16V 10U	1	
C7355	ECUM1H561JCN	C. CAPACITOR CH 50V 560P	1	
C7357	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7358	ECEA1HKA3R3	E. CAPACITOR 50V 3.3U	1	
C7359	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7365, 66	ECEA1HKA010	E. CAPACITOR 50V 1U	2	
C7369	ECEA0JKA470	E. CAPACITOR 6.3V 47U	1	
C7370	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C7371, 72	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C7375	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7604	VCEA0JGB101	E. CAPASITOR 6.3V 100U	1	
C7605	VCEA1CGB101	E. CAPACITOR 16V 100U	1	
C7606	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7607	VCEA1HGB100	E. CAPACITOR 50V 10U	1	
C7608	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7609	VCEA0JGB101	E. CAPASITOR 6.3V 100U	1	
C7614	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7617	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C7618	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7701	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C7702	ECUM1H330JCN	C. CAPACITOR CH 50V 33P	1	
C7704	VCEA1HGB2R2	E. CAPACITOR 50V 2.2U	1	
C7705	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C7706, 07	ECUM1H180JCN	C. CAPACITOR CH 50V 18P	2	
C7709	ECUM1H470JCN	C. CAPACITOR CH 50V 47P	1	
C7715-17	ECUM1H101JCN	C. CAPACITOR CH 50V 100P	3	
D1001	MA4051-L	DIODE	1	
D1002	MA4120-M	DIODE	1	
D1003-05	1SS254	DIODE	3	
D1006	MA4051-M	DIODE	1	
D1007, 08	1SS254	DIODE	2	
D1009	MA4150-M	DIODE	1	
D1010	MA723-VT	DIODE	1	
D2001	1SS254	DIODE	1	
D2508	MA723-VT	DIODE	1	
D3001	1SS283	DIODE	1	
D3003	1SS254	DIODE	1	
D3004	MA723-VT	DIODE	1	
D3005	MA151WA	DIODE	1	
D3012-14	1SS254	DIODE	3	
D3017	1SS254	DIODE	1	
D4002, 03	1SS254	DIODE	2	
D4504	1SS254	DIODE	1	
D6001	SIR505S	DIODE	1	
D6003, 04	1SS355	DIODE	2	
D7001	MA4180	DIODE	1	
D7301	MA3082-L	DIODE	1	
D7302	MA151K	DIODE	1	
D7303	MA151WK	DIODE	1	
D7304	MA717	DIODE	1	
D7306	MA151K	DIODE	1	
D7601	MA4300-M	DIODE	1	
DP7001	VSL0499	DISPLAY TUBE	1	
FL7301, 02	VLF0633	FILTER	2	
IC0701	LA7576	IC	1	
IC2501	AN3811NK	IC	1	
IC3001	AN3501NFBP	IC	1	
IC3002	MC14053BF	IC	1	
IC3003	TL8849AP	IC	1	
IC4001	NJM4558M	IC	1	
IC4501	BH7778AK	IC	1	
IC6001	MN675567VRWD	IC	1	
IC6002	PST7043	IC	1	
IC6003	PST7028	IC	1	
IC6004	PNA4611M02VT	IR RECEIVER UNIT	1	
IC6005, 06	RP1354N	IC	2	
IC6007	S-29355ADP	IC	1	
IC7001	M35500FP	FIP DRIVE IC	1	
IC7301	MSP3410B-F7	IC	1	
IC7302	PST7043	IC	1	
IC7303	M5238FP	IC	1	
IC7304	HA17431PA	IC	1	
IC7305	MN155402VZDB	IC	1	
IC7306	PST7043	IC	1	
IC7701	LC783WVAP	OSD IC	1	
⚠ IP1001, 02	UNHC00300A	IC PROTECTOR	2	
JK3001	VJJ0559	RCA PINJACK 6P	1	
K0702	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
K0704, 05	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2	
K3003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4002, 03	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
K4005	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4008	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K4502-06	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	5	
K6003	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	1	
K7304-07	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	4	
K7314	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K7317	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
K7610	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
L0701	VLQ0163JR39	COIL 0.39UH	1	
L0705	VLQ0163J5R6	COIL 5.6UH	1	
L0706	VLQEL05S120K	COIL 12UH	1	
L3001	VLQ0599J680	COIL 68UH	1	
L3002	ELESE120JA	INDUCTOR 12UH	1	
L3003	VLQ0599J220	COIL 22UH	1	
L3004	VLQ0599J680	COIL 68UH	1	
L3006	VLQ0599J820	COIL 82UH	1	
L3007	VLQ0599J151	COIL 150UH	1	
L3012	VLQ0599J680	COIL 68UH	1	
L3014-16	VLQ0599J680	COIL 68UH	3	
L3018	VLQ0599J151	COIL 150UH	1	
L4001	VLQEL07F153J	COIL 15000UH	1	
L4003	ELCSN471KA	INDUCTOR 470UH	1	
L4026	ELESE101KA	INDUCTOR 100UH	1	
L5001	VLQ0599J680	COIL 68UH	1	
L5002, 03	VLQ0599J270	COIL 27UH	2	
L5004	VLQ0599J150	COIL 15UH	1	
L6003	VLQ0599J220	COIL 22UH	1	
L7001	VLQ0599J220	COIL 22UH	1	
L7301	ELEXH100JBV	INDUCTOR 10UH	1	
L7302	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
L7602	VLQ0599JR27	COIL 0.27UH	1	
L7603-06	VLQ0599J680	COIL 68UH	4	
L7609	VLQ0599J1R0	COIL 1UH	1	
L7610-12	VLQ0599JR27	COIL 0.27UH	3	
L7702, 03	VLQ0599J330	COIL 33UH	2	
LB6001, 02	ERJ6GMZ0R00	M. RESISTOR CH 1/10W 0	2	
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P	1	
P2001	VJP3835A012	CONNECTOR (MALE) 12P	1	
P2501	VJP1236T	CONNECTOR (MALE) 9P	1	
P4001	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P4007	VJP3630A014G	CONNECTOR (MALE) 14P	1	
P5001	VJR0777B005W	CONNECTOR (MALE) 5P	1	
P6002	VJS3905	DEW SENSOR CONNECTOR	1	
P6003	VJS3837A002	CONNECTOR (FEMALE) 2P	1	
P7001	VJP3630A014G	CONNECTOR (MALE) 14P	1	
PK0701	VJR0016E010W	CONNECTOR (MALE) 10P	1	
PK4501	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PK4502, 03	VJR0777B010W	CONNECTOR (MALE) 10P	2	
PK7301	VJR0777B009W	CONNECTOR (MALE) 9P	1	
PK7302	VJR0777B008W	CONNECTOR (MALE) 8P	1	
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P	1	
PP3001, 02	VJS3932A008W	CONNECTOR (FEMALE) 8P	2	
Q0701	MSD601-S	TRANSISTOR	1	
Q0702	MSB709-R	TRANSISTOR	1	
Q1001	MSD1328	TRANSISTOR	1	
Q1002	2SD2544QPQA	TRANSISTOR	1	
Q1003	2SD2259	TRANSISTOR	1	
Q1004	2SD2544QPQA	TRANSISTOR	1	
Q1005	2SD1991	TRANSISTOR	1	
Q1009	MSD1328	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3002	XN1401	TRANSISTOR-TRANSISTOR	1	
Q3003	2SD601A	TRANSISTOR	1	
Q3008	MSC2295	TRANSISTOR	1	
Q3009	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q4002	MSD602	TRANSISTOR	1	
Q4003	MSB710	TRANSISTOR	1	
Q4004	2SD1992A	TRANSISTOR	1	
Q4005	2SD1149	TRANSISTOR	1	
Q4006	2SD601A	TRANSISTOR	1	
Q4007, 08	MSD601-R	TRANSISTOR	2	
Q4009	MSB710	TRANSISTOR	1	
Q4501	2SD1468	TRANSISTOR	1	
Q4551	2SA1515	TRANSISTOR	1	
Q5001	MSB709	TRANSISTOR	1	
Q5002	MSD601	TRANSISTOR	1	
Q5003	2SA1022	TRANSISTOR	1	
Q5005	XN1501	TRANSISTOR-RESISTOR	1	
Q5006	MSB709	TRANSISTOR	1	
Q5007	MSC2295	TRANSISTOR	1	
Q5008	MSB709	TRANSISTOR	1	
Q5009-13	MSC2295	TRANSISTOR	5	
Q6002	PNB2301MAV	TRANSISTOR	1	
Q6003	PNB2301MBV	TRANSISTOR	1	
Q7301, 02	2SD1996	TRANSISTOR	2	
Q7304	2SC2404	TRANSISTOR	1	
Q7305	MSD601-S	TRANSISTOR	1	
Q7308-10	2SB709A	TRANSISTOR	3	
Q7311-13	MSD1328-S	TRANSISTOR	3	
Q7601	2SB709A	TRANSISTOR	1	
Q7701	MSC2295	TRANSISTOR	1	
Q7702	2SD601A	TRANSISTOR	1	
QR1001	MUN2211	TRANSISTOR-RESISTOR	1	
QR2001	MUN2212	TRANSISTOR-RESISTOR	1	
QR3002	MUN2212	TRANSISTOR-RESISTOR	1	
QR3003, 04	DTC363EK	TRANSISTOR-RESISTOR	2	
QR3006	MUN2213	TRANSISTOR-RESISTOR	1	
QR3008-10	MUN2213	TRANSISTOR-RESISTOR	3	
QR3016, 17	MUN2213	TRANSISTOR-RESISTOR	2	
QR3018	UN2215	TRANSISTOR-RESISTOR	1	
QR3019	MUN2213	TRANSISTOR-RESISTOR	1	
QR4002	MUN2211	TRANSISTOR-RESISTOR	1	
QR4003	MUN2213	TRANSISTOR-RESISTOR	1	
QR4004	MUN2111	TRANSISTOR-RESISTOR	1	
QR4651, 52	UN5213	TRANSISTOR-RESISTOR	2	
QR7301	MUN2213	TRANSISTOR-RESISTOR	1	
QR7302	MUN2112	TRANSISTOR-RESISTOR	1	
QR7601	MUN2213	TRANSISTOR-RESISTOR	1	
QR7701	MUN2113	TRANSISTOR-RESISTOR	1	
R0702	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R0704	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R0705	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R0706, 07	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	2	
R0708	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R0709	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R0710	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
R0713	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R0714	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R0715	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R0716	VREO040E151	M. RESISTOR CH 1/10W 150	1	
R0717	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R0718	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0719	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R0720	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0722	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R0728	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0729	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R0732	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R0783	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R1002	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R1003	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1004	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R1005	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	
R1006	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R1007, 08	ERDS1TJ471	C. RESISTOR 1/2W 470	2	
R1009	ERDS2TJ182	C. RESISTOR 1/4W 1.8K	1	
R2002	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R2003	ERJ6GMYJ274	M. RESISTOR CH 1/10W 270K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2009	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R2014	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R2501	ERDS2TJ330	C. RESISTOR 1/4W 33	1	
R2504	ERDS1TJ1R5	C. RESISTOR 1/2W 1.5	1	
R2505	ERDS1TJ1R2	C. RESISTOR 1/2W 1.2	1	
R2506, 07	ERDS2TJ330	C. RESISTOR 1/4W 33	2	
R3001	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3002, 03	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	2	
R3004	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3005	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3006	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3007	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3008	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3009	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R3010	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3011	ERJ6GMYJ125	M. RESISTOR CH 1/10W 1.2M	1	
R3012	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3013	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3014	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3015	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	1	
R3016	ERJ6GMYG221	M. RESISTOR CH 1/10W 220	1	
R3017	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3019	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3020	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R3021	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3022	ERJ6GMYG750	M. RESISTOR CH 1/10W 75	1	
R3025	ERJ6GMYG301	M. RESISTOR CH 1/10W 300	1	
R3026	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3027	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3029	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3030	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R3032	ERJ6GMYG154	M. RESISTOR CH 1/10W 150K	1	
R3033	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3034	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3036	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R3037	ERJ6GMYG821	M. RESISTOR CH 1/10W 820	1	
R3038	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R3039	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3041	ERDS2TJ102	C. RESISTOR 1/4W 1K	1	
R3042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R3043	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3046	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R3047	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3048	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R3049, 50	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	2	
R3051	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R3052	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R3053	ERJ6GMYG183	M. RESISTOR CH 1/10W 18K	1	
R3057	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R3059	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3060	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R3061	ERJ6GMYG152	M. RESISTOR CH 1/10W 1.5K	1	
R3062	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R3063	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R3064	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R3065	ERJ6GMYG202	M. RESISTOR CH 1/10W 2K	1	
R3066	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R3077	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4001	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R4002	ERJ6GMYJ241	M. RESISTOR CH 1/10W 240	1	
R4003	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4004	ERJ6GMYG334	M. RESISTOR CH 1/10W 330K	1	
R4005	ERJ6GMYJ163	M. RESISTOR CH 1/10W 16K	1	
R4006	ERJ6GMYG331	M. RESISTOR CH 1/10W 330	1	
R4007	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R4008	ERJ6GMYG822	M. RESISTOR CH 1/10W 8.2K	1	
R4009	ERJ6GMYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R4010	ERJ6GEYF333	M. RESISTOR CH 1/10W 33K	1	
R4011	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R4012	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4013	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4014	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4015	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4016	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4017	ERJ6GMYJ391	M. RESISTOR CH 1/10W 390	1	
R4019	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4020	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R4023	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4024	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4025	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4027	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4028	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4029	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R4030	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4031	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4034	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4037	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4038	ERG2SJ821	M. RESISTOR 2W 820	1	
R4039	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
R4040	ERJ6GMYG153	M. RESISTOR CH 1/10W 15K	1	
R4041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R4042	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R4043	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R4044	ERJ6GMYG752	M. RESISTOR CH 1/10W 7.5K	1	
R4045	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	1	
R4046	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R4049	ERJ6GMYJ474	M. RESISTOR CH 1/10W 470K	1	
R4050, 51	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	2	
R4052	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R4058	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4059	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R4503	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4504	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4508	ERJ3GEYG224	M. RESISTOR CH 1/16W 220K	1	
R4512	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R4513	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4517, 18	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
R4519, 20	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4522	ERJ3GEYK225	M. RESISTOR CH 1/16W 2.2M	1	
R4528	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R4529	ERJ3GEYG562	M. RESISTOR CH 1/16W 5.6K	1	
R4530	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4534	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4542	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4562	ERJ3RBD912	M. RESISTOR CH 1/16W 9.1K	1	
R4563	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R4584	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4585	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R4586	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4601	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4603, 04	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4605	ERJ6GEYF393	M. RESISTOR CH 1/10W 39K	1	
R4606	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R4607	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4608	ERDS2TJ103	C. RESISTOR 1/4W 10K	1	
R4621	ERJ6GEYJ363	M. RESISTOR CH 1/10W 36K	1	
R4623	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R4624	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4641, 42	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4663, 64	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4695	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4697	ERJ6GEYG562	M. RESISTOR CH 1/10W 5.6K	1	
R4698	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R4704	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R5003	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R5004	ERJ6GMYG271	M. RESISTOR CH 1/10W 270	1	
R5005	ERJ6GMYG472	M. RESISTOR CH 1/10W 4.7K	1	
R5006	ERJ6GMYJ124	M. RESISTOR CH 1/10W 120K	1	
R5007	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R5012	ERJ6GMYG563	M. RESISTOR CH 1/10W 56K	1	
R5013	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R5014	ERJ6GMYG223	M. RESISTOR CH 1/10W 22K	1	
R5016, 17	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R5018	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	1	
R5019	ERJ6GMYG682	M. RESISTOR CH 1/10W 6.8K	1	
R5020	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R5021, 22	ERJ6GMYG681	M. RESISTOR CH 1/10W 680	2	
R5023	ERJ6GMYG391	M. RESISTOR CH 1/10W 390	1	
R5025	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5027	ERJ6GMYG122	M. RESISTOR CH 1/10W 1.2K	1	
R5028, 29	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R5030	ERJ6GMYG471	M. RESISTOR CH 1/10W 470	1	
R5031	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6001	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6003	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6004	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6005	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6006	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6007	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6008	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6011	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6012	ERDS2TJ121	C. RESISTOR 1/4W 120	1	
R6013	ERJ6GMYG222	M. RESISTOR CH 1/10W 2.2K	1	
R6014	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6015	ERJ6GMYJ244	M. RESISTOR CH 1/10W 240K	1	
R6016	ERJ6GMYG393	M. RESISTOR CH 1/10W 39K	1	
R6017	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6018	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6019	ERJ6GMYG392	M. RESISTOR CH 1/10W 3.9K	1	
R6021	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6027	ERJ6GMYJ181	M. RESISTOR CH 1/10W 180	1	
R6028	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6029	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R6032-37	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	6	
R6041	ERJ6GMYG272	M. RESISTOR CH 1/10W 2.7K	1	
R6042-44	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	
R6045	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6047	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6049-51	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	3	
R6052-54	ERJ6GMYG333	M. RESISTOR CH 1/10W 33K	3	
R6055	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6056	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R6057	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	1	
R6059	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6060	ERDS2TJ181	C. RESISTOR 1/4W 180	1	
R6061	ERJ6GMYG273	M. RESISTOR CH 1/10W 27K	1	
R6062	ERJ6GMZOR00	M. RESISTOR CH 1/10W 0	1	
R6063	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R6067-69	ERJ6GMYG332	M. RESISTOR CH 1/10W 3.3K	3	
R6073	ERJ6GMYJ105	M. RESISTOR CH 1/10W 1M	1	
R6086, 87	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	2	
R6091	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	1	
R6093	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R6095, 96	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7001	ERDS2TJ5R6	C. RESISTOR 1/4W 5.6	1	
R7002	ERJ6GMYG103	M. RESISTOR CH 1/10W 10K	1	
R7003	ERJ6GMYJ223	M. RESISTOR CH 1/10W 22K	1	
R7004, 05	ERJ6GMYG473	M. RESISTOR CH 1/10W 47K	2	
R7007	ERJ6GMYG101	M. RESISTOR CH 1/10W 100	1	
R7012, 13	ERJ6GMYG202	M. RESISTOR CH 1/10W 2K	2	
R7018	ERJ6GMYG363	M. RESISTOR CH 1/10W 36K	1	
R7022	ERJ6GMYG182	M. RESISTOR CH 1/10W 1.8K	1	
R7025, 26	ERJ6GMYG123	M. RESISTOR CH 1/10W 12K	2	
R7027, 28	ERJ6GMYJ221	M. RESISTOR CH 1/10W 220	2	
R7029	ERJ6GMYG102	M. RESISTOR CH 1/10W 1K	1	
R7301	ERJ6GEYG182	M. RESISTOR CH 1/10W 1.8K	1	
R7302	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R7303	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R7308	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	1	
R7309, 10	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	2	
R7311	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R7312	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R7313, 14	ERJ3GEYG272	M. RESISTOR CH 1/16W 2.7K	2	
R7315	ERJ3GEYJ114	M. RESISTOR CH 1/16W 110K	1	
R7316	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R7317	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R7320	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R7321-23	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	3	
R7324	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R7325	ERJ3GEYG122	M. RESISTOR CH 1/16W 1.2K	1	
R7326	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R7327-29	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	3	
R7330	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R7332	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7333	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7334-36	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	3	
R7337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7339	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7341-43	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	3	
R7344	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7346	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7352-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R7357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7362	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7368, 69	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R7370	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7371	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7376, 77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R7378	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7379	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7380	ERJ3GEYG302	M.RESISTOR CH 1/16W 3K	1	
R7381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7382	ERJ3GEYG302	M.RESISTOR CH 1/16W 3K	1	
R7383	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7384	ERJ3GEYG302	M.RESISTOR CH 1/16W 3K	1	
R7601, 02	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	2	
R7603	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R7604	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R7605	ER62SJ331	M.RESISTOR 2W 330	1	
R7606, 07	ERJ6GMYG151	M.RESISTOR CH 1/10W 150	2	
R7608, 09	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	2	
R7610	ER62SJ331	M.RESISTOR 2W 330	1	
R7611	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	
R7613-15	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	3	
R7701, 02	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	2	
R7703	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R7704	ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R7705	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R7706	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R7707	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
S6001	VESC834	S-TAB SWITCH	1	
S6002	VSSC520	MODE SELECT SWITCH	1	
S7601	VSSC530	AV SELECT SWITCH	1	
T0703	EQV5EC071A	TRANSFORMER	1	
T0704	EQV5EC072A	TRANSFORMER	1	
T4001	EQQ7QF025Q	TRANSFORMER	1	
T4002	EQQ7QF026Q	TRANSFORMER	1	
VR0701	EVNCBAA00B24	V.RESISTOR 20K	1	
VR4501	EVMECSA00BS3	V.RESISTOR 6.8K	1	
VR4509	EVMECSA00B53	V.RESISTOR 5K	1	
VR4550	EVMECSA00B14	V.RESISTOR 10K	1	
VR4651, 52	EVMECSA00B25	V.RESISTOR 200K	2	
X0703	EFCS5R5MW5	CERAMIC FILTER	1	
X0704	VLF1035	FILTER	1	
X3001	VSX0162	CRYSTAL OSCILLATOR	1	
X3002	VSX016D	CRYSTAL OSCILLATOR	1	
X6001	VSX0830	CRYSTAL OSCILLATOR	1	
X6002	VSX0660	CRYSTAL OSCILLATOR	1	
X7001	VSX0339	CRYSTAL OSCILLATOR	1	
X7302	VSX0877	CRYSTAL OSCILLATOR	1	
X7303	EFOEC4004A4	CERAMIC OSCILLATOR	1	
ZA3001	VSC4680	SHIELD COVER	1	
ZB7001	VXQ0643	FIP HOLDER	1	
		MISCELLANEOUS		
⚠	ENG47262G	TUNER	1	
	VSC3553	SHIELD COVER (MAIN)	1	FOR DECODER C.B.A.
	VSC4576	SHIELD COVER (TOP)	1	FOR DECODER C.B.A.
	VSC3555	SHIELD COVER (BOTTOM)	1	FOR DECODER C.B.A.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMT0784	SPACER	1	FOR DECODER C.B.A.
	VMP4471	TV DEMODULATOR ANGLE	1	FOR TV DEMODU. C.B.A.
■	VEP05353A	HEAD AMP C.B.A.		(RTL)
C501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C502	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C503	VCEA0JGB470	E.CAPASITOR 6.3V 47U	1	
C504-07	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	4	
C508	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C510	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C521	VCEA0JGB221	E.CAPASITOR 6.3V 220U	1	
C522, 23	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C524	VCEA1HGB3R3	E.CAPACITOR 50V 3.3U	1	
C526, 27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C530	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C541, 42	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C543	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
IC501	AN3369SB	IC	1	
L501	VLQ0599J680	COIL 68UH	1	
L521	VLQ0599J680	COIL 68UH	1	
LB541-44	VLP0321A601	COIL	4	
P501	VJS3968B012T	CONNECTOR (FEMALE) 12P	1	
P502, 03	VJP3932B008T	CONNECTOR (MALE) 8P	2	
R501	ERJ6GMYJ301	M.RESISTOR CH 1/10W 300	1	
R502	ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R521	ERJ6RED120	M.RESISTOR CH 1/10W 12	1	
R522	ERJ6GMYG101	M.RESISTOR CH 1/10W 100	1	
R541	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R543	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
ZA501	VSC4628	H.A SHIELD COVER (TOP)	1	
■	VEP06B92A	FRONT C.B.A.		(RTL)
				NV-HD620A/EA
C6501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C6502, 03	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
D6505	1SS254	DIODE	1	
JK6501	VJJ0416	JACK	1	
K6502	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6510	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6512, 13	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
P6501	VJS3630B014B	CONNECTOR (FEMALE) 14P	1	
R6501	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R6502, 03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R6517, 18	ERJ6GEYG474	M.RESISTOR CH 1/10W 470K	2	
S6501, 02	FVQ11G07K	SWITCH	2	
S6506	ESD170306	SWITCH	1	
ZB6501	VGU4537	SLIDE KNOB	1	
■	VEP06B92B	FRONT C.B.A.		(RTL)
				NV-HD670A/EA
C6501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C6502, 03	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
D6505	1SS254	DIODE	1	
JK6501	VJJ0416	JACK	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
K6502	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6510	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K6512,13	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
P6501	VJS3630B014B	CONNECTOR (FEMALE) 14P	1	
R6501	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R6502,03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R6504,05	ERJ6GEYG114	M.RESISTOR CH 1/10W 110K	2	
R6517,18	ERJ6GEYG474	M.RESISTOR CH 1/10W 470K	2	
S6501-04	EVQ11G07K	SWITCH	4	
S6506	ESD170306	SWITCH	1	
ZB6501	YGU4537	SLIDE KNOB	1	
⚠ ■	VEP01768N	POWER C.B.A.		(RTL)
				NV-HD620A/EA
⚠ C1101	VCKO286B471	CERAMIC CAPACITOR	1	
C1102	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
⚠ C1104	VCKO286B471	CERAMIC CAPACITOR	1	
⚠ C1107	VCKO286E102	CERAMIC CAPACITOR	1	
⚠ C1110	ECQU2A104MV	P.CAPACITOR 250V 0.1U	1	
⚠ C1111	ECQU2A104MN	P.CAPACITOR 250V 0.1U	1	
C1112	ECEC2GG330	E.CAPACITOR 400V 33U	1	
C1113	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1114	ECCZ3A101KGE	C.CAPACITOR 1KV 100P	1	
C1115,16	ECA1VGE470X	E.CAPACITOR 35V 47U	2	
C1117	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
C1118	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
C1120	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C1121	ECKF1H391KB	C.CAPACITOR 50V 390P	1	
C1131	EEUFA1E681	E.CAPASITOR 25V 680U	1	
C1132	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1133	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1134	EEUFA1A122	E.CAPASITOR 10V 1200U	1	
C1135	ECEA1AGE331	E.CAPACITOR 10V 330U	1	
C1136	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1137	ECEA1HGE470	E.CAPACITOR 50V 47U	1	
C1138	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1139	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1140	ECEA1VGE101	E.CAPACITOR 35V 100U	1	
C1141	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1143	ECA1AFZ331	E.CAPACITOR 10V 330U	1	
C1147	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
C1148	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
C1150	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
⚠ D1102	S1WBA60S	DIODE	1	
D1103	AP01G	DIODE	1	
D1104	MA185	DIODE	1	
D1106	RK36	DIODE	1	
D1121	RN2ZLF-C4	DIODE	1	
D1123,24	ERA22-04	DIODE	2	
D1125	11EQS04	DIODE	1	
D1127	1SS254	DIODE	1	
⚠ F1101	XBA2C16TB0	FUSE	1	
IC1101	TDA4605-3	IC	1	
IC1102	HA17431PA	IC	1	
⚠ IP1101	VSFC015A10	IC PROTECTOR	1	
⚠ L1107	ELF18D290A	COIL 29UH	1	
⚠ L1108	ELF18D222F	LINE FILTER	1	
L1121	VLQCC5K220	COIL 22UH	1	
L1122	VLQ0798K220	COIL	1	
L1123,24	ELESE101KA	INDUCTOR 100UH	2	
LB1102	VLP0056	COIL	1	
LB1104	EXCELSR35	COMBI.R-R	1	
LB1106	EXCELSR35	COMBI.R-R	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
LB1110	VLP0056	COIL	1	
⚠ P1101	VJS3306	AC INLET	1	
P1103	VJP3917A01GG	CONNECTOR (MALE) 16P	1	
Q1101	STP3N60FI-M	TRANSISTOR	1	
Q1102	2SD1991A	TRANSISTOR	1	
⚠ Q1111	MOC8104T	TRANSISTOR	1	
QR1101	UN6114	TRANSISTOR-RESISTOR	1	
R1101	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1102,03	ERG1SJ273	M.RESISTOR 1W 27K	2	
R1106	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R1107	ERDS2FJ184	C.RESISTOR 1/4W 180K	1	
R1108	ERDS2TJ155	C.RESISTOR 1/4W 1.5M	1	
R1109	ERDS2FJ221	C.RESISTOR 1/4W 220	1	
R1110	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1111	ERDS2FJ222	C.RESISTOR 1/4W 2.2K	1	
R1112	ERDS2FJ304	C.RESISTOR 1/4W 300K	1	
R1113	ERDS2FJ474	C.RESISTOR 1/4W 470K	1	
R1114	ERX12SJR51	M.RESISTOR 1/2W 0.51	1	
R1115	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1116	ERDS2FJ220	C.RESISTOR 1/4W 22	1	
R1117	ERDS2FJ472	C.RESISTOR 1/4W 4.7K	1	
R1118	ERG1SJ100	M.RESISTOR 1W 10	1	
R1119	ERDS2TJ273	C.RESISTOR 1/4W 27K	1	
R1120	EROS2CKG4301	M.RESISTOR 1/4W 4.3K	1	
R1121	EROS2CHF4701	M.RESISTOR 1/4W 4.7K	1	
⚠ R1122	ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R1124	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1125	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1128	ERDS2FJ332	C.RESISTOR 1/4W 3.3K	1	
R1129	ERDS2FJ123	C.RESISTOR 1/4W 12K	1	
R1133	ERDS2FJ474	C.RESISTOR 1/4W 470K	1	
R1134	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1135	ERDS2FJ274	C.RESISTOR 1/4W 270K	1	
R1136-38	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	3	
R1139	ERDS2TJ475	C.RESISTOR 1/4W 4.7M	1	
S7511-15	EVQ11L07B	SWITCH	5	
⚠ T1101	ETE28K110AZ	TRANSFORMER	1	
ZA1101	VSC4205	SHIELD COVER	1	
ZA1102	VMP5133	INLET ANGLE	1	
ZA1103	VHD0418	SCREW	1	
⚠ ZA1104,05	EYF52BC	FUSE HOLDER	2	
⚠ ZB1101	VMZ2378	BARRIER	1	
⚠ ■	VEP01768K	POWER C.B.A.		(RTL)
				NV-HD670A/EA
⚠ C1101	VCKO286B471	CERAMIC CAPACITOR	1	
C1102	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
⚠ C1104	VCKO286B471	CERAMIC CAPACITOR	1	
⚠ C1107	VCKO286E102	CERAMIC CAPACITOR	1	
⚠ C1110	ECQU2A104MV	P.CAPACITOR 250V 0.1U	1	
⚠ C1111	ECQU2A104MN	P.CAPACITOR 250V 0.1U	1	
C1112	ECEC2GG330	E.CAPACITOR 400V 33U	1	
C1113	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1114	ECCZ3A101KGE	C.CAPACITOR 1KV 100P	1	
C1115,16	ECA1VGE470X	E.CAPACITOR 35V 47U	2	
C1117	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
C1118	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
C1120	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C1121	ECKF1H391KB	C.CAPACITOR 50V 390P	1	
C1131	EEUFA1E681	E.CAPASITOR 25V 680U	1	
C1132	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1133	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1134	EEUFA1A122	E.CAPASITOR 10V 1200U	1	
C1135	ECEA1AGE331	E.CAPACITOR 10V 330U	1	
C1136	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1137	ECEA1HGE470	E.CAPACITOR 50V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1138	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1139	ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1140	ECEA1VGE101	E.CAPACITOR 35V 100U	1	
C1141	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1143	ECA1AFZ331	E.CAPACITOR 10V 330U	1	
C1147	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
C1148	ECQV1H104B46	P.CAPACITOR 50V 0.1U	1	
C1150	ECQD1H103JF	P.CAPACITOR 50V 0.01U	1	
⚠ D1102	S1WBA60S	DIODE	1	
D1103	AP01C	DIODE	1	
D1104	MA185	DIODE	1	
D1106	RK36	DIODE	1	
D1121	RN2ZLF-G4	DIODE	1	
D1123,24	ERA22-04	DIODE	2	
D1125	11EQS04	DIODE	1	
D1127	1SS254	DIODE	1	
⚠ F1101	XBA2C16TB0	FUSE	1	
IC1101	TDA4605-3	IC	1	
IC1102	HA17431PA	IC	1	
⚠ IP1101	VSF0015A10	IC PROTECTOR	1	
⚠ L1107	ELF18D290A	COIL 29UH	1	
⚠ L1108	ELF18D222F	LINE FILTER	1	
L1121	VLQ0655K220	COIL 22UH	1	
L1122	VLQ0798K220	COIL	1	
L1123,24	ELESE101KA	INDUCTOR 100UH	2	
LB1102	VLP0056	COIL	1	
LB1104	EXCELSR35	COMBI.R-R	1	
LB1106	EXCELSR35	COMBI.R-R	1	
LB1110	VLP0056	COIL	1	
⚠ P1101	VJS3306	AC INLET	1	
P1103	VJP3917A016G	CONNECTOR (MALE) 16P	1	
Q1101	STP3N60FI-M	TRANSISTOR	1	
Q1102	2SD1991A	TRANSISTOR	1	
⚠ Q1111	M0C8104T	TRANSISTOR	1	
QR1101	UN6114	TRANSISTOR-RESISTOR	1	
R1101	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1102,03	ERG1SJ273	M.RESISTOR 1W 27K	2	
R1106	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R1107	ERDS2FJ184	C.RESISTOR 1/4W 180K	1	
R1108	ERDS2TJ155	C.RESISTOR 1/4W 1.5M	1	
R1109	ERDS2FJ221	C.RESISTOR 1/4W 220	1	
R1110	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1111	ERDS2FJ222	C.RESISTOR 1/4W 2.2K	1	
R1112	ERDS2FJ304	C.RESISTOR 1/4W 300K	1	
R1113	ERDS2FJ474	C.RESISTOR 1/4W 470K	1	
R1114	ERX12SJR51	M.RESISTOR 1/2W 0.51	1	
R1115	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1116	ERDS2FJ220	C.RESISTOR 1/4W 22	1	
R1117	ERDS2FJ472	C.RESISTOR 1/4W 4.7K	1	
R1118	ERG1SJ100	M.RESISTOR 1W 10	1	
R1119	ERDS2TJ273	C.RESISTOR 1/4W 27K	1	
R1120	ER0S2CK64301	M.RESISTOR 1/4W 4.3K	1	
R1121	ER0S2CHF4701	M.RESISTOR 1/4W 4.7K	1	
⚠ R1122	ERG12AGM334	S.RESISTOR 1/2W 330K	1	
R1124	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1125	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1128	ERDS2FJ332	C.RESISTOR 1/4W 3.3K	1	
R1129	ERDS2FJ123	C.RESISTOR 1/4W 12K	1	
R1133	ERDS2FJ474	C.RESISTOR 1/4W 470K	1	
R1134	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1135	ERDS2FJ274	C.RESISTOR 1/4W 270K	1	
R1136-38	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	3	
R1139	ERDS2TJ475	C.RESISTOR 1/4W 4.7M	1	
⚠ T1101	ETE29K110AZ	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
ZA1101	VSC4205	SHIELD COVER	1	
ZA1102	VMP5133	INLET ANGLE	1	
ZA1103	VHD0418	SCREW	1	
⚠ ZA1104,05	EYF52BC	FUSE HOLDER	2	
⚠ ZB1101	VMZ2378	BARRIER	1	
■	VEP07947A	JOG C.B.A.		(RTL)
				NV-HD670A
J7501	VSQ0817	SWITCH	1	
K7511,12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K7529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
P7502	VJS3630B014B	CONNECTOR (FEMALE) 14P	1	
R7501	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R7502	ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R7503	ERJ6GEYG362	M.RESISTOR CH 1/10W 3.6K	1	
R7505	ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R7506	ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R7508	ERJ6GEYG362	M.RESISTOR CH 1/10W 3.6K	1	
R7510	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R7512-15	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R7516-19	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	4	
R7520,21	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R7522,23	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
S7501-08	EVQ11L07B	SWITCH	8	
■	VEP07947G	JOG C.B.A.		(RTL)
				NV-HD670EA
J7501	VSQ0817	SWITCH	1	
K7505	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
K7511,12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K7527	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
K7528	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
K7529	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
P7502	VJS3630B014B	CONNECTOR (FEMALE) 14P	1	
R7501	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R7502	ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R7503	ERJ6GEYG362	M.RESISTOR CH 1/10W 3.6K	1	
R7505	ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R7506	ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R7508	ERJ6GEYG362	M.RESISTOR CH 1/10W 3.6K	1	
R7510	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R7512-15	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R7516-19	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	4	
R7520,21	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R7522,23	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
S7501-08	EVQ11L07B	SWITCH	8	

MEMO

INTERNAL REFERENCE CODES

NOTE: This chart is only for internal reference.
Do not order any parts according to these codes.

P. C B	FILM CODE
SHUGOU (MAIN, HEAD AMP)	FUAI00–0411A
POWER	FUAI00–01768
FRONT	FUAI00–06B92
FM AUDIO PACK	FUAI00–04664
DECODER PACK (HD620A, HD670A)	FUAI01–07784
MSD PACK (HD620EA, HD670EA)	FUAI00–07787
TV DEMODULATOR PACK	FUAI00–07801
S-VHS PLAYBACK PACK (HD670A/EA)	FUAI00–03A03
JOG SHUTTLE (HD670A/EA)	FUAI00–07947

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